



Locality Lists of  
Land & Freshwater Mollusca found by  
A. S. S. S. S.

Including Records taken by other collectors on the same  
Excursions, &c.

"Journal", vol. III.

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1.

Killard Point, Ardglan, Co. Down. Aug. 17. 6. 11  
B.N.F.C. Excursion.

*Agrio. apert.*

*Arion subfuscus* In Oldcourt, Strangford.

*Vitrea pellucida*

*Hyalina allioni*

*Helix rotundata*

" *nemorata* The well known "Killard" light-colored form.

" *aspera* On Kilchief Castle to the summit of the turrets.

" *barbara* Var. *pifasciata* mainly.

*Coch. lubrica*.

*Pupa cylindrica*

" *muscorum*.

*Vertigo pygmaea*.

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Loughfall district, Armagh. A.S. & N.H. Foster.  
Carb. limestone area 18.6.11.

*Agrio. apertis.*

*Arion circumscriptus*

*Hyalina cellaria*

" *nitidula*

" *pura*

" *radialis*

" *crystallina*

" *fulva*

*Zon. nitida*

*Helix rotundata*

" *pulchella*

" *nummularis*

" *aspera*

" *lucida*

N.H.F. by the shore of Lough-fall.

N.H.F. Loughfall quarries

*Carb. lubrica*

*Carychium minus*

*Clausilia bidentata*

*Pupa cylindrica*

*Succinea Pfeifferi*

*Physa fontinalis*

*Limnaea pumila*

Some fine specimens with expanded lips in  
 "Black Road Quarries" near back gate of  
 Loughfall. after the prolonged drought  
 they were just dying.  
 Common in L. fall.

" *auriculata*

" *stagnalis*

" *truncatula*

*Planorbis alternus*

" *contorta*

" *fontanus*

*Valvata cristata*

*Succinea tentaculata*

*Sph. cornu*

*Pisidium submarginatum*

"

"

Several dead in L. fall. var. *acuta*.

L. fall

Loughfall quarries.

L. fall + Loughfall quarries.

"

"

"

"

"

"

"

"

Ballynahone Marsh, 1 1/2 miles S. of Armagh  
 Town.

and. 18.6.11.

*Agrio. apertis.*

*Hyalina cellaria.*

*Pupa cylindrica*



## Ballynahone Marsh continued.

*Clausilia bidentata**Limnaea peregra**" stagnalis**Planorbis albus**" contortus**" umbilicata**Pisidium submarginatum*

"

"

See vol. I p. 73 + 74.

305.

Station good-gard, Armagh Trm.  
Aug. 18.6.11.*Agrius apertus**Limnaea flavus**" maxium**Arion subfuscus**" circumscriptus**Hyalina cellaria**Helix rotundata**" rufescens**" nemoralis**Clausilia bidentata*Scarst Hill, Cairncastle, Antrim  
Aug. 25.6.11.*Agrius apertus**Arion ater* Var. *aterrima*.*" subfuscus**" circumscriptus**Hyalina cellaria**" radiatella**" pura**" crystallina**Helix rotundata**" rufescens**" nemoralis**" hispida**Coch. lubrica**Pupa cylindrica*

## Ballygally Head, Antrim. Aug. 25.6.11

*Agrius apertus**Arion ater**Hyalina cellaria**" crystallina**Helix rotundata*Also. *Helix rufescens**" nemoralis**" aspersa**" hispida*



Baron's Court, Newtownstewart, Tyrone  
A.S. & R.W. 1.7.11.

<i>Agrio. apertus</i>	
<i>Milax sordidus</i>	Art. introduction - garden (R.W.)
<i>Arim. suffusus</i>	R.W. V. rare.
" <i>intermedius</i>	rare.
" <i>hortensis</i>	Common all through woods.
" <i>circumscriptus</i>	Very rare
<i>Vithia pallidula</i>	A few dead.
<i>Hyalina cellaria</i>	In garden only.
" <i>nitidula</i>	
" <i>albicans</i>	Sp. & var. in woods.
" <i>pura</i>	" " " "
" <i>radiatula</i>	" " " "
" <i>crystallina</i>	Common.
" <i>fulva</i>	" in woods.
<i>Jon. excavatus</i>	Common in woods, both sp. & var.
" (artensis?) Say.	One spec. in greenhouse (R.W.)
<i>Hely. retundata</i>	Common
" <i>lanellata</i>	" in woods.
" <i>liripida</i>	R.W. Rare in woods.
" <i>refusus</i>	Art. introduction in garden (R.W.)
<i>Coch. lubrica</i>	Not common

also for *minuscule* " *lat. loun* (R.W.)

<i>Carychium</i>	near lake shore.
<i>Pupa anglica</i>	One spec. in woods near small art. lake.
" <i>glandum</i>	Rare.
<i>Acicula lineata</i>	2 spec. var. <u>alba</u> with <u>P. anglica</u> . <u>A new record for Tyrone.</u>
<i>Limnaea puzosii</i>	In lake.
" <i>stagnalis</i>	Art. introduction into small pond in garden.
<i>Physa fontinalis</i>	R.W. rare.
<i>Planorbis albus</i>	A small form in lake.
" <i>crista</i>	In art. pond in woods. <u>A new county record.</u>
<i>Sphaerium lacustre</i>	Introduced into small pond in bog garden with <u>L. stagnalis</u> .
var.	

Pisidium

With Pl. crista.

306.

In Riv. Moone at Newtownstewart Station

<i>Limnaea puzosii</i>	Also in mill dam in village.
<i>Lacuna Pfeifferi</i>	Road mill-dam in village. Very large.
<i>Angitia plicatilis</i>	Common.
<i>Mar. marginata</i>	Not seen but known to be abundant in the river.



Atley at Corickmou, near Newtownstewart  
Tyrone. 250 ft alt. Aug 1. 7. 11.

*Agrio. apert.*

*Arim. ater*

" *saffuron*

" *circumscripta*

*Hyalin. cellari*

*Helix rotundata*

" *livida*

" *memorata*

Very large & black. a few brown also.

"Fermanagh Hills" from. i.e. light spine  
purple lip and  $1/23/45$  or  $1/23/45$  and  
formula. In old church.

00300 *litellula* outside in field.

near station at Newtownstewart

probably an introduction.

Not seen but known to be common

all along the river Moura from  
Newtownstewart to Strabane (J. N. Mills)

*Coch. lubrica*

*Clausilia pidentata*

*Pupa cylindrica*

B.N.F.C. Excursion to Caragh District. July 1911.

Several collections made but no addition to  
lists entered on pages 275-285, Vol. II.

River Lane at Belterhit, Caragh.  
Aug 5 A.D. 13. 7. 11.

*Agrio. apert.*

[*Helix rufescens*]

[*asprum*]

Only seen in garden. Probably introduced.

*Limnaea purpur*

" *palustris*

" *stagnalis*

*Planorbis pumila*

" *convoluta*

" *voluta*

" *alba*

" *costata*

*Bith. tenticulata*

*Valvata pinnata*

*Anodonta cyanea*

*Sph. cornu*

Dead shells only.

*Pisidium amnicum*

" *lenslowianum*

307



Royal Canal, 1 mile East of Mullingar  
Westmeath. and. 14.7.11.

*Helix* *reputans*.  
" *rotundata*.  
" *remorali*.  
" *aspersa*.  
*Pupa cylindrica*  
*Carychium*  
*Clavicornis* *identata*  
*Limon* *peregrina*  
" *palustris*  
" *stopnati*  
*Physa* *fontinalis*  
*Planorbis* *albus*  
" *rotax*  
" *carinatus*  
*Bith.* *tentaculata*  
*Veronica* *flavescens*  
*Sp.* *cornea*.

From Rathfriland, Clonsilla, East Mayo.  
and. 14.7.11.  
*Helicella* *italica*

Clare Island Survey, 4<sup>th</sup> visit.

The Warren, North Achill, West Mayo. and. 15.7.11.

*Agrius* *apertus*. Var. *humana* - *reticulata*, Common.

" *lilacina*, rare.

Near "Cahin".

*Meloe* *gajatus*

*Arion* *ater*

" *intermedius*

*Vitrea* *pellucida*

*Hyalina* *cellaria*

*Helix* *pulex*

" *tartara*.

" *remorali*

" *italica*

*Coch.* *lubrica*

*Pupa* *cylindrica*

*Laccina* *officinalis*

*Limon* *peregrina*

" *auricularis*

" *truncatula*

*Planorbis* *crusta*

" (glabra)

A dead shell - L. Doo.

N.B. The *Vallonia*s were subsequently mixed with those taken here in 1909 and mounted. Both *excentrica* & *pulex* occur in the box & possibly one was taken in 1909 & the other in 1911. A.W.S. 1924.

L. Doo. 308.

L. full. 309.

*Pisidium* *pilula* L. Doo.

" *lilacina* L. Doo.

" *pulex* L. fall.

" *pulex* L. Doo.

Smooth Iron

B.B.W.

No doubt many  
named  
A.W.S. 1922.

Sept. 1909. Not seen this visit.

Later, as *excentrica* only is  
recorded in vol. II, p. 31, for  
1909, it is probable that  
the *pulex* were taken  
in 1911. A.W.S. 1924.



Cliff of North Shore (L. Nakuroge East) West Achill.  
West Mayo. Aug. 16. 7. 11.

*Agris agrestis*  
*Milax pagata*  
*Arion ater*  
" *intermedius*  
*Hyalina allia*  
" *fulva*.  
" *fulva*.  
*Helix astundata*  
" *memoralis*  
*Clavella pidentata*  
*Purpura anglica*.  
" *cylindracea*  
*Peridina*

Rejectamenta from  
Keel Lough, Achill,  
15. 7. 11

*Peridina lilliputiana* (310)

Outlet of Keel Lough, Achill  
15. 7. 11

*P. pulchella* (311)  
*P.*

(312)

Signal Tower

*Arion ater*  
" *intermedius*  
*Agris agrestis*  
*Hyalina allia*

*Helix astundata*  
*Purpura cylindracea*

North-east Cliffs (No. 3) Clare Island, W. Mayo.  
Aug. 17. 7. 11.

*Agris agrestis*. Vars. *reticulata* + *hunnica*.  
*Lima arbuscula* Var. *memoralis*?  
*Arion ater* Vars. *costanea* + *plumbea*. No. type.

" *sulphurea*.

" *intermedius*

*Vitina pellucida*

1 dead shell.

*Hyalina allia*

Var. *viridula*. Dead.

" *radiata*

Type.

" *crystallina*

A. few dead shells.

*Zon. excavata*

Type. Very common about Portlaoise.

*Helix astundata*

Very common + very large.

" *memoralis*.

*Coch. lubrica*.

*Purpura cylindracea*

*Clavella pidentata*

*Peridina miltia*

" *purilla*

" *carinata*

"

*P. purilla*

AVULLIN  
Lough Mullin. (312A)

First record for Clare Island } B.B.W.

Cressa Lough. (312B)



North-east Cliffs (No. 5), Clare Island, W. Mayo.  
 Aug. 17. 7. 11.

- Agrio. apertus*. Var. brunnea.  
*Linax c. niger*. No spec. almost type in old lime-kiln  
 on cliffs above "Lighthouse" Cove.  
*Arion ater* Type & var. cartonea & flamipes.  
 " suffusus  
*Vitrea pellucida* Dead.  
*Hyalina alliana* Dead.  
 " nitidula No spec.  
 " crystallina Dead shells.  
 " fulva.  
*Helix retundata*  
 " hispidula  
 " itala  
 " nemorali  
*Coch. lubrica*.  
*Pupa anglica*.  
*Vertigo antistipis*  
 " substriata  
 " pygmaea.  
*Clausilia pidentata*  
*Carychium cinn.*
- Also.  
*Succinea Pfeifferi*  
*Linax truncatula*

Maum Valley (Ruined Cottage) No. 3.  
 Clare Island - W. Mayo. Aug. 17. 7. 11.

- Agrio. apertus*  
*Arion ater*  
 " suffusus.  
*Hyalina alliana* Var. nitidula.  
 " nitidula  
*Jm. excavatus* Type very abundant.  
*Helix retundata*  
*Sphyradin edentata*

*Corticea glen* ("Prayer's Word") Clare Island.  
 No. 3. Aug. 18. 7. 11.

- Linax arborum* also. *Helix retundata*.  
*Arion ater* " lamellata.  
 " suffusus & *Clausilia pidentata*  
 " intermedius  
*Vitrea pellucida*  
*Hyalina alliana*  
 " crystallina  
 " fulva.  
*Jm. excavatus* Type & var. vitrea.



North Cliff of Knocknaree, Clare Island  
250-300 feet alt. Aug. 18.7.11.

*Agrio. apertus*  
*Arion ater*  
" *suffusus*  
" *intermedius*  
" *circumscriptus* Very scarce.  
*Vitrina pellucida* Dead.  
*Hyalina alliana* Rare.  
" *nitida* Very common.  
" *para* Abundant.  
" *crystallina*  
" *fulva*  
*Helix retundata*  
" *nemoralis* Including one var. *nitidiorata*.  
" *fulva*  
*Coch. lubrica*  
*Carychium minium*  
*Pupa anglica*  
" *cylindracea*  
*Clausilia pidentata*  
*Balea pumila*

This spec. was brought home alive & in 1913 bred with a similar specimen from near Cloghane, Single Promontory, Kerry. All the young proved to be of the var. *nitidiorata*.

Very rare in one spot - beneath an orchard  
piece of rock - where it occurred in  
Sept. 1909.

17.  
Marsh at Harbour, Clare Island. No 1.  
and 18.7.11

*Milax sagax*  
*Succinea pfeifferi* Fine specimen beside drain, alongside road.  
*Limnaea peregrina* Abundant in mud of dried up pools  
" *palustris* a few fine specimens with *L. peregrina*.  
" *truncatula*.  
*Pisidium carolinianum*

313.

Knocknaree Top, Clare Island, No.

*Agrio. apertus*  
" *lucorum*  
*Arion ater* Var. *carolinianus* & *planica* & type.  
*Hyalina radiatula*  
*Jm. excavata* Type.  
*Pupa anglica*  
*Limnaea truncatula*  
*Pisidium*

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McCabe's Garden, Harbour, Clare Island.

No. 1 19.7.11.

*Arion ater*

" *lortensis* a few specimens (all young) and undoubtedly brought from the mainland with goods.

*Agrio. apertus*.

*Limax maximus* One 3/4 grown specimen. Undoubtedly introduced by man.

*Helix rotundata*.

" *aspersa*.

}

1300 foot Cliff, Croaghmore Cliff. No. 8.  
Clare Island. No. 8. 19.7.11

*Agrio. apertus*

*Arion ater*.

" *sulphureus*.

" *intermedius*

*Vitrina pellucida*

*Hyalina albescentia* Var. *viridula* + type.

" *nitidula*

" *para*.

" *crystallina*

*Helix rotundata*.

" *aculeata*. Rare. only one seen.

" *fuscata*. Dead shells very common.

*Coch. lubrica*.

*Pupa asplasia*.

" *cylindracea*

*Clausilia pidentata*

*Carychium minus*

*Sph. edentata*

*Acicula lineata*

*Limnaea truncatula*

}

Near sand dunes at Harbour, Clare Island. No. 1.  
No. 1. 20.7.11.

*Agrio. apertus*

*Limax arborum*

*Arion ater*

" *sulphureus*

" *intermedius*

*Hyalina cellaria*

*Jon. excavatus*  
Var. *retusus*

*Helix rotundata*

" *lipida*

" *aspersa*.

" *remorata*.

" *intusata*.

" *itala*.

*Coch. lubrica*

*Carychium minus*

*Pupa cylindracea*.

}



South Shore, No. 1, Clare Island.  
 and 20. 7. 11.

*Agris. apertus.*

*Lima arbutum.*

*Arion ater.*

Var. plumbea & castanea

" *saffurca.*

" *intermedius.*

*Hyalinia crystallina.*

*Jon. excavata.*

*Helix rotundata.*

" *nemorali.*

*Coch. lubrica.*

*Carychium min.*

*Vertigo substriata.*

*Clavus bidentata.*

*Pupa anglica.*

*Pisidium*

315



Clare Island, West Mayo.

2 1/2 hours collecting. and 21. 7. 11.

*Lima arbutum.*

*Milax gajatus.*

*Agris. apertus.*

" *laevis.*

*Arion ater.*

" *intermedius.*

*Vitrina pellucida.*

*Hyalinia allium.*

" *nitidula.*

" *pura.*

" *radiata.*

" *crystallina.*

" *fulva.*

*Helix rotundata.*

" *fulva* = *excentrica*! L.S. 1934.

" *itala.*

" *arperson.*

*Coch. lubrica.*

*Carychium min.*

*Pupa anglica.*

" *excentrica.*

One fine specimen in field near church.

Re. *apertus* with *L. arbutum*.

Common. Var. turnera.

In damp spot on shore below church.

Frequent.

"

Abundant dead under stones between the lake & south shore with *H. pulchella*.

Type common.

Vith. *Agris. laevis*.

" " "

Frequent.

Vith. *L. arbutum*.

Vith. *H. nitidula* &c.

Frequent but scarce.

Common with *V. pellucida*.

South shore. Common.

Round church & south shore.

Frequent.

"

In damp spot along north-east cliff.

Frequent.



Cake Island continued.

*Vertigo antistipes* Several places. South shore & with  
*Pupa anphibia*.  
*" subtrita* With *Agrio. laevis*.  
*" pygmaea* South shore.  
*Limnaea pygmaea* Lake near Cake Pt & in pools  
near highest part of the island.  
*" truncatula* North-east cliff with *P. anphibia*.  
*Psidium nilivum* Lake at Cake Pt. } B.B.U.  
*" personatum* " " " }

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INISH TURK.

South eastern corner. Aug. 22. 7. 11.

*Agrio. apertus*.  
*" laevis*. In a damp gully near <sup>extreme</sup> south-east corner.  
*Limnaea asprum*.  
*Arion ater*. Type & var. castanea & plumbea.  
*" suffusus*.  
*" intermedius*.  
*Hyalea nitida*.

Ishturk continued.

*Hyalea pura*.  
*" radiata*  
*" crystallina*  
*" fulva*. Type & var. nitida.  
*Im. excavata* With Agrio. laevis.  
*Hel. pygmaea*  
*" rotundata*.  
*" hispida*.  
*" itala*.  
*" aspersa*. Very common everywhere.  
*" nemoralis*. Many birds (Black Bird) eat  
specimens of this & *H. aspersa* to  
be seen everywhere. Rare alive.

*Coch. lubrica*  
*Carychium minus*  
*Cleurelia identata* Local & not common.  
*Vertigo antistipes* Frequent  
*" subtrita* With Agrio. laevis.  
*" pygmaea* Only one specimen seen.  
*Pupa anphibia* Common in damp fields & gullies.  
*" cythra*  
*Limnaea truncatula* In wet places.  
*Psidium cosentinum*. In dried up bog-pools.

317



25

Var. castanea + planica + the  
 frequent. Var. albolateralis a small  
 colony on small cliff south  
 of valley in thick birch forest.

21 *sa. Juncus.*

intermedia

*Hyalinea albiaria*

" nitidul.

" radiatus

" crystallina.

Jon. nitida.

Several dead shells under stones  
along north-east side of L. Namucka.

*Helix rotundata.*

*Coch. lubrica.*

Vertigo antevortigo

Shore of Long Coalbrook.

His thanks continued

Lough Gortakniah, 300 ft (?) alt.

*Limnaea peregrina*

Not plentiful

Prithi Vaseran

In hippy pools below lake. B.B.W.

9 *permata*

" nitid

a million

In the Lake it is

B. B. V.

B.B.W

Long Namucka

*Limnaea peregrina*

4 Salustian

*Pind. pusillum*

B. B. W.

Lynch Allen.

*Linna perpa*

The dead shell.



North-east shore, Irish Turk, West Mayo.  
 Aug. 23. 7. 11.

*Apis. apertus*  
*Lima, arborescens*. A pale mottled form.  
*Milax papilion*. All dark in colour.  
*Arim ater* Var. aterrima.

*Hyalina allium* a few dead shells.  
*Zon. excavata*

*Helix rotundata*  
 " *itala*  
 " *aspera* } Both extend  $\frac{1}{2}$  mile North of the  
 Harbour at Fanny.

Collected in the vertical "pipe" of *Styphnalea*.  
 N.E. Irish Turk. Aug. 23. 7. 11.

*Arim intermedius* Very common.  
*Vitrina pellucida* a single dead shell. The only one seen on the island.

*Hyalina nitidula*  
 " *crystallina*  
 " *pura*.  
*Zon. excavata*  
*Helix rotundata*  
 " *nemoralis*. All young shells.

Also.  
*Coch. lubrica*.  
*Carych. min.*  
*Pupa anglica*  
 " *cylindracea*  
*Clausilia bidentata*

Scrubby Cliffs above harbour at Fanny. Irish Turk.  
 Also from Harbour Village, Aug. 23. 7. 11.

*Apis. apertus*  
*Arim ater*

" *suffusus*  
 " *intermedius*

*Hyalina nitidula*

" *pura*.  
 " *crystallina*

*Zon. excavata* Types *Mr. nitida*

*Helix rotundata*

" *hispidula*

" *nemoralis*

" *aspera*.

*Coch. lubrica*

*Pupa anglica*

" *cylindracea*

*Carych. min.*

*Clausilia bidentata*

*Lima, flavus* Introduced. He under stone beside C.D.B. Store.  
*Angula flavicollis* In stream running into Harbour.  
*L. pueri*, *Psidium* *canarianum* (B.P.W.).  
 In stream & pools run well behind Chapel.



Irish Bog (Church L. + S.E. corner).  
West gateway. Aug. 24. 7. 11.

*Limonax arborum*

*Meloe gyllenhalii*

*Agrius apertus*

" *laevigatus*

*Arion ater*

" *suffusus*

" *intermedius*

*Vitrea pubescens*

*Hyalina cellaria*

" *alliarum*

" *nitidula*

" *radiatula*

" *pubes*

*Helix stans*

" *italica*

" *parva*

" *aspera*

" *nervosa*

Dead only.

" *lipida*

Dead only. Under E. Window of Church.

*Coch. lubrica*

*Cyathus*

*Pupa anglica*. Shore of Longhouse pond.

" *cyathus*.

*Vertigo pygmaea* Only one specimen seen.

" *antivertigo* Frequent.

" *subtrita* Shore of Longhouse pond.

*Balca parva* S.E. corner of wall enclosing church-yard.

*Limonax pergeri* } Church Lough.

" *palustris*

" *truncatula*

*Planorbis cristata* Longhouse pond.

*Pisidium milium*

" *caerulans*

" *orthoceras*

" *pusillum*

Church Lough & outlet.

(321)

all verified  
by B.B.W.

North West corner of Irish Bog. W.J.  
Aug. 25. 7. 11.

*Agrius apertus*

*Limonax arborum*

*Meloe gyllenhalii*

*Arion intermedius*

Var. rana. Near shore at L. Bog.



Inishbofin (N.H.) continued.

*Vitrea pellucida*.

*Hyalina cellaria*

" *alliaris*

" *crystallina*

*Helix rotundata*

" *fruticosa*

" *italica*

*Coel. lubrica*

*Purpura glendana*

*Clausilia pidentata*

*excentrica*! a.w.s. 1924.

Several sandy places, between L. Bojin & Royal Oak Cove.

" " " " " "

A single living specimen on the cliffs at Alla doon.

Lough L. Fawna, Inishbofin

25.7.11

*Limnaea peregrina*

*Pisidium obtusale*

Verified by B.B. Woodward.

(322)

Bannamullan Bog, Inishbofin. N.G.

Aug. 25.7.11.

*Agrius agrestis*

*Arion rufipes*

" *intermedius*

*Limax arboreus*

*Milax paganus*

*Hyalina alliaris*

" *nitidula*

*For. excavatus*

*Helix rotundata*

*Coel. lubrica*

*Purpura glendana*

Mostly collected on cliffs facing north about 1/4 west of Bannamullan Bog

Loughna grooan, Inishbofin, Aug. 26.7.11

*Limnaea peregrina*

*Pisidium obtusale*

223

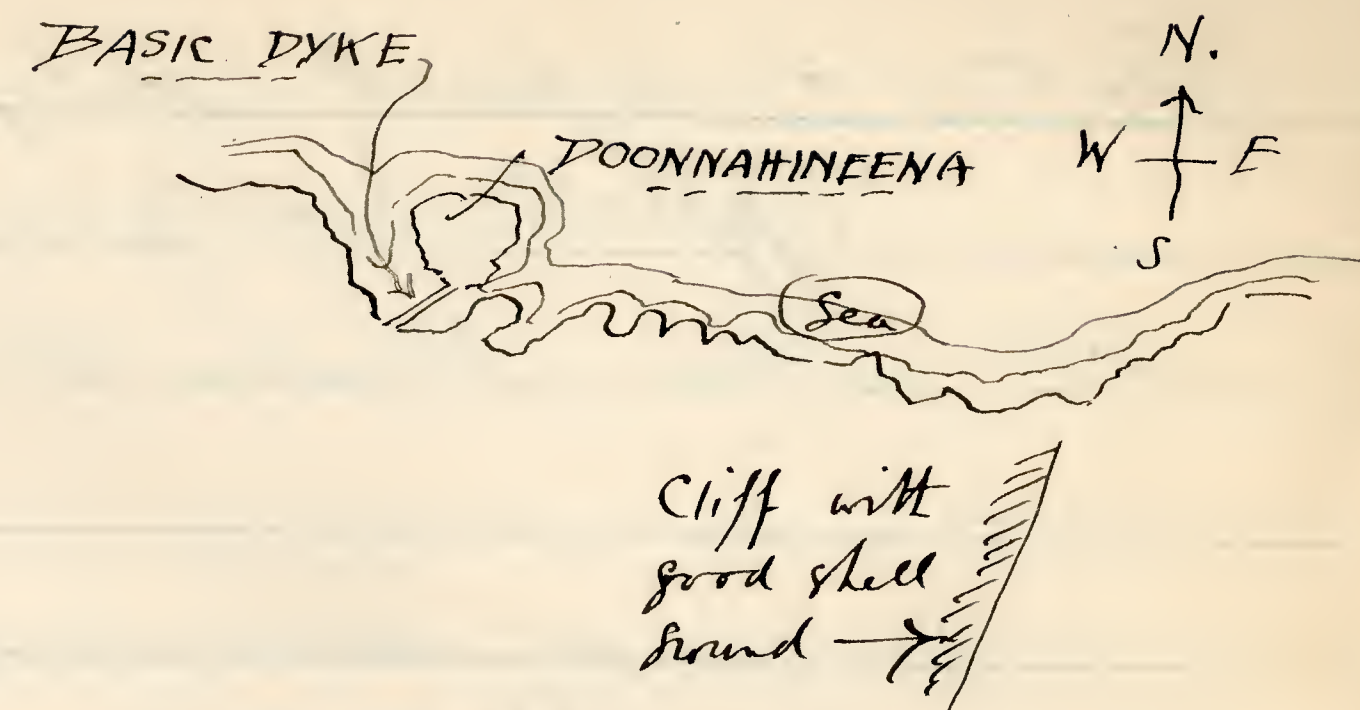


North-east corner of Inishfin, N.G. 26  
 Aug. 27. 7. 11

<i>Agrio. apertis</i>	
" <i>laevis</i>	Clonamore.
<i>Milax fagata</i>	"
<i>Limax arboreus</i>	
<i>Arion ater</i>	
" <i>suffusus</i>	
<i>Vitrea pellucida</i>	Near Doonahineena (afterwards called "Doon")
<i>Hyalina cellaria</i>	Clonamore.
" <i>nitidula</i>	
" <i>alluvialis</i>	
" <i>pura</i>	
" <i>radiata</i>	
" <i>crystallina</i>	
<i>Helix stans</i>	
" <i>nummularis</i>	Near Doon.
" <i>asporus</i>	Clonamore.
" <i>itala</i>	"
" <i>pura</i>	"
<i>Sp. edentula</i>	Near Doon.
<i>Coch. lubrica</i>	
<i>Cyprina</i>	

all at Doon or rather east of it.

<i>Pupa anglica</i>	Clonamore.
" <i>glandulosa</i>	
<i>Vertigo substriata</i>	Clonamore.
<i>Planorbis identata</i>	Near Doon.
<i>Limnaea peregrina</i>	
" <i>truncatula</i>	
<i>Pl. spiralis</i>	
<i>Pisidium aspidatum</i>	
" <i>nitidum</i>	
" <i>subtruncatula</i>	
" <i>milium</i>	



Meadow-land at Clonamore

verified by B.B.W.

324.

Lough Fowlaghmore, Inishfin  
 Aug. 27. 7. 11.

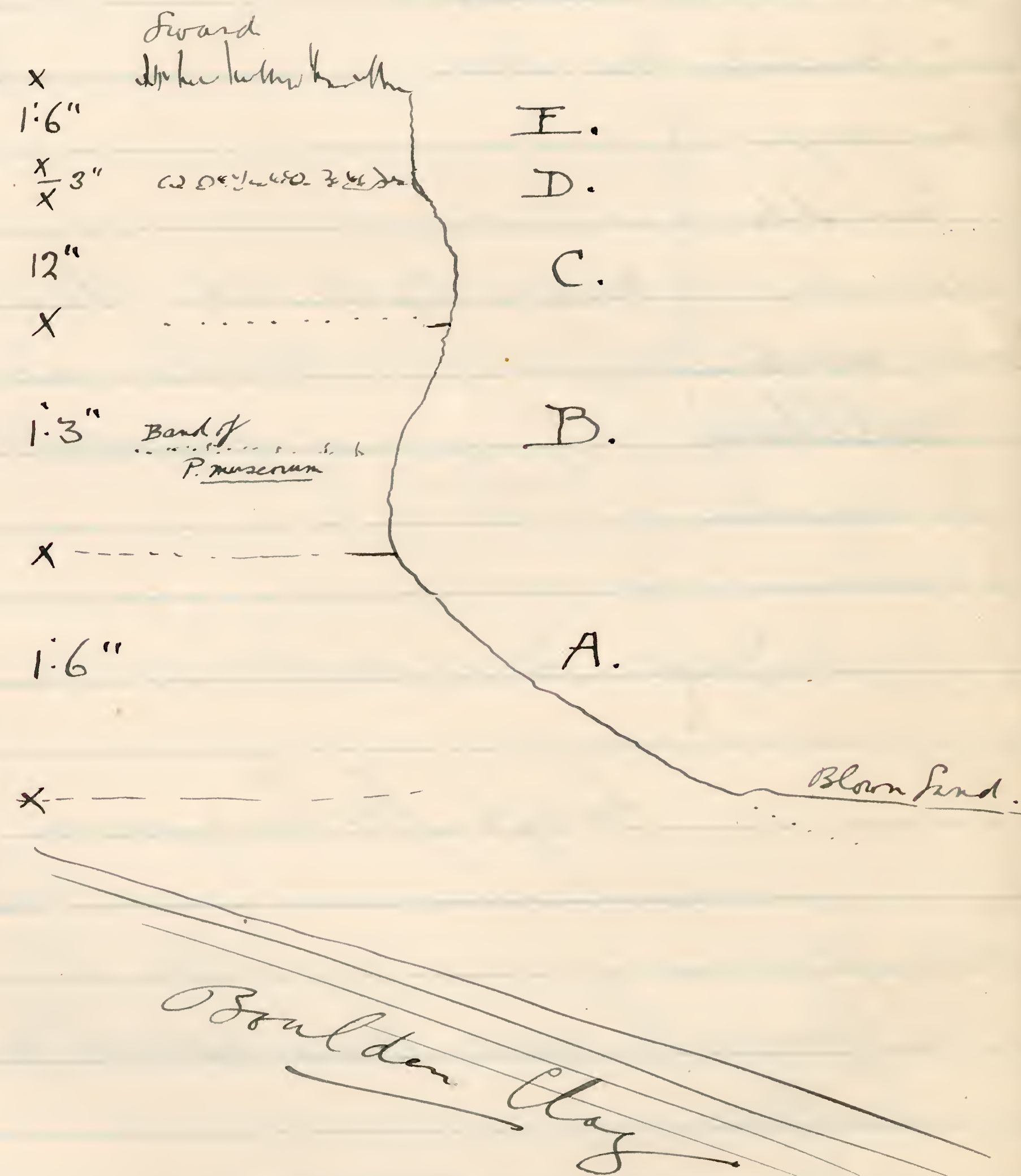
<i>Limnaea peregrina</i>	
<i>Pisidium hibernicum</i>	The second known habitat for this species
" <i>pusillum</i>	
" <i>nitidum</i>	
" <i>milium</i>	

all verified by B.B.W.

325.



Section of deposit (post-glacial) at  
(opposite Inishgon) Inishfin, West Galway  
and <sup>27</sup> ~~28~~ 7.11.



### Stratum A.

Contained no shells. Fine blown sand.

### Stratum B.

Contained: - Hel. itala (scattered), Coch. lubrica (scattered) + P. muscorum (in distinct band)

### Stratum C.

Contained Hy. alliaria, nitidula, pupa... Helix hispida, pulchella, costata, retundata, pygmaea, remoralis, and aculeata, Coch. lubrica, Carychium minimum, Pupa anglica, cylindracea, muscorum, Claviclella bidentata and Vorticella substriata.

Stratum D. was only noted in place. It contained purely marine shells. Mainly Littorina;

### Stratum E.

Contained: - H. itala (common), H. basteria (frequent), H. remoralis (rare), H. hispida (rare), H. pulchella (common), Hy. nitidula (frequent), C. lubrica (frequent) and Claviclella bidentata (V. rare)



Church Lough district, Firth of Forth, 4.8.  
 and 27.7.11.

*Agrio. aperta*  
*Limax arboreus*

*Anis. ater*

*Vitellina pellucida*

*Hyalina cellaria*

In church yard

" *alliana*

" *nitidula*

" *purp.*

all on cliffs south of Lough.

" *radiatula*

" *cystellina*

*Jon. excavata*

*Helix rotundata*

" *lupida*

In church yard, beneath E. window.

" *remoralis*

on cliffs.

" *aspera*

Church & sand dune

" *itula*

sand dunes

" *subana*

*Coch. lubrica*

*Carychium minutum*

*Pupa asphix*

mainly m. aff. on cliff.

" *cylindrica*

Church Lough (continued)

*Limnaea peregrina*

" *palustris*

" *truncatula*

*Pisidium rotundatum* In pools above & S. of lake.

" *casertanum*

" *pusillum*

No! I think these came from the lake on 24-7-11.

" *milium*

326

} all verified by O.B.W.

Doraghty (mainland) West Mayo.  
 and 28.7.11.

*Agrio. aperta*

" *laevi*

*Anis. ater*

*Hyalina alliana*

" *nitidula*

"

" *radiatula*

" *cystellina*

" *fulva*

*Jon. nitida*



Doraghty continued

*Helix rotundata*.

" *pulchella*.

" *lamellata*.

" *fusca*.

" *itala*.

" *aspera*.

" *nemorali*.

*Coch. lubrica*.

*Larythin mini*.

*Vertigo antistylis*.

" *pygmaea*.

" *subtrita*.

" *angustior*.

*Acicula lineata*.

*Succinea pfeifferi*.

" *officinalis*.

*Limnaea puzos*.

" *palustris*.

" *auricularia*.

" *strepida*.

" *truncatula*.

*Physa fontinalis*.

In old scrub at  
with *H. lamellata*.

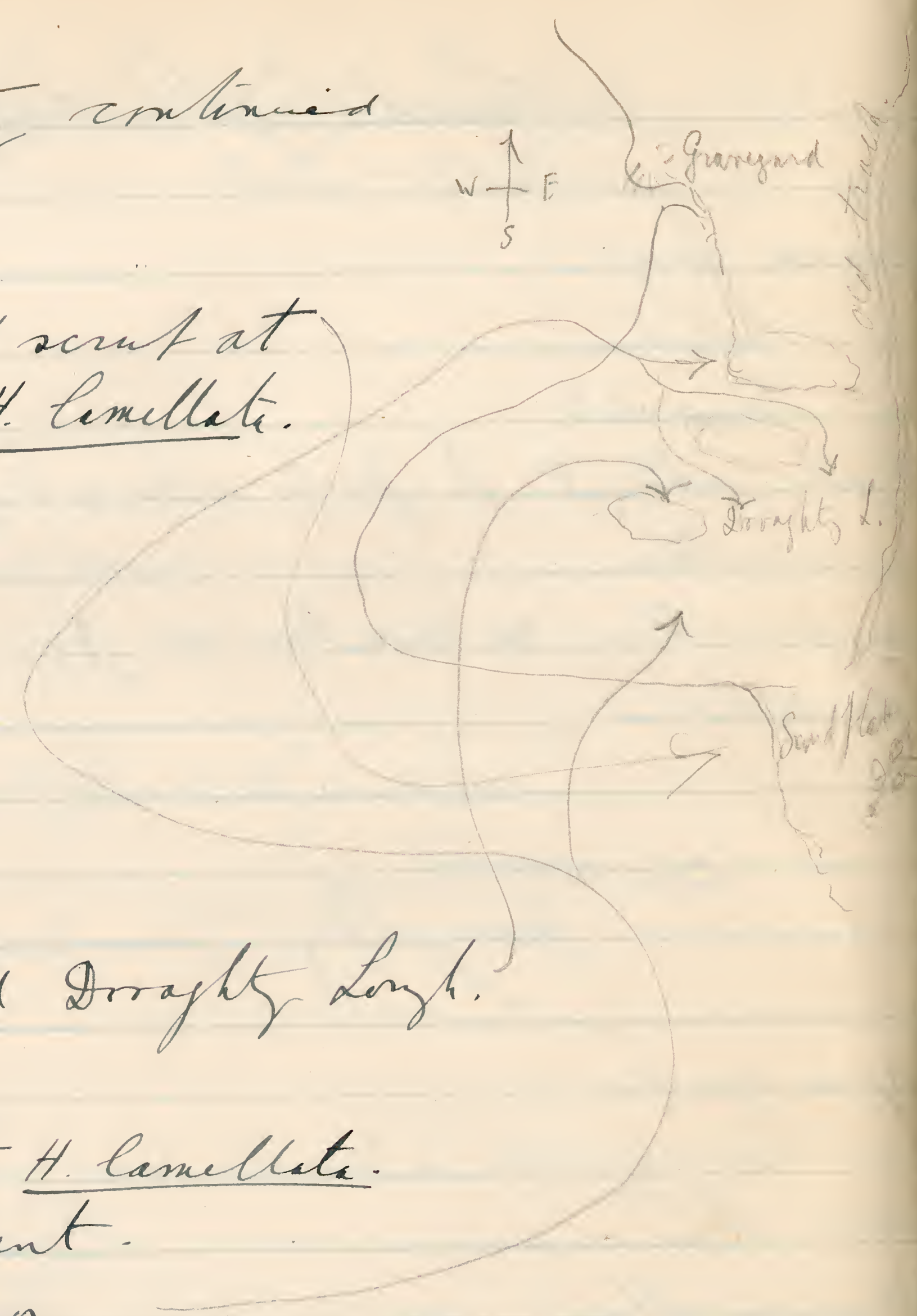
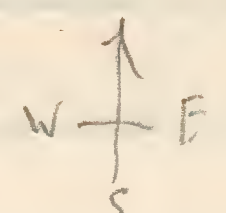
Round Doraghty Lough.

With *H. lamellata*.

Frequent.

Common.

Verified in 1934 by Quirk on *S. arenaria*  
which I always thought it was, see Field  
List, but A. S. Kennard showed me that  
*arenaria* was only a variety of *officinalis*. A.S.K.



*Apleta hypnum* Doraghty Lough.

*Psidium coccineum*

B.B.U.

" *nitidum*

B.B.U.

" *pusillum*

B.B.U.

327.

Curraun Mountain, West Mayo.  
col. 29.7.11.

*Arima atr* Up to 1500 feet.

" *suffusa* " " 1200 feet.

*Ancylus flavitinctus* in Lough Cullylea, about 800 feet alt.

*Psidium coccineum*

(B.B.W.)

Very large specimen like the Norway  
example for *Psidium*.

328.



*Dryas dirka*, Slieve Donard, West Achill.  
 asd. 30.7.11

*Arion ater*  
*Lima arbutum*

up to 1000 feet.

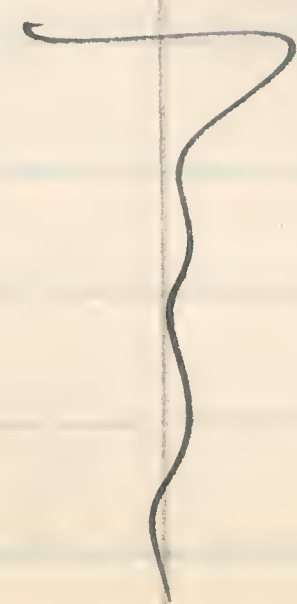
No other species seen.

*Slieve Donard* in Slieve Donard. asd. 30.7.11

*Arion ater*  
*" sulfureus*  
*Lima arbutum*

Up to 1800 feet.

No shells seen in Lough Beg, 850 feet alt.



Cliffs at Carriglea, E. of Dooport  
 North Achill. asd. 30.7.11.

*Arion ater*.  
*" sulfureus*.  
*" circumscriptus*. Very rare.

*Hyalina allium*  
*" nitidula*  
*" crystallina*  
*Sph. edentula*. One specimen.

*Helix stans*  
*" fusca*. Common  
*" nemoralis*. Frequent young

*Coch. lubrica*  
*Carychium*  
*Pupa anglica*. Frequent.

*" cylindrica*  
*Clausilia bidentata*. Common. See J. S. Milne J. of C. VI-412(?)

Dooport sand-dunes.

*Helicella itala*  
*" tuberosa*.



Bannamucka Lough, Portarck (between  
Mullanny + Newport). U. Mayo. Aug. 31. 7. 11.

*Limnaea peryz*  
" *truncatula*  
*Planorbis cristatus*  
*Planorbis milium* B.B.W.  
" *sul truncatula* B.B.W.  
" *pusillum* B.B.W.

329.

Breavagh Lough, <sup>(SW)</sup> south of Newport.  
W.M. Aug. 31. 7. 11.

(1)

*Limnaea peryz*  
" *palustris*  
*Aplexa hypnorum*  
*Planorbis fontinalis*  
" *cristatus*  
" *altus*  
" *contortus*  
*Valvata cristata*  
*Bith. tentaculata*  
*Sp. commun.*

And

*Planorbis obtusata* B.B.W.  
" *milium* B.B.W.  
" *pusillum* B.B.W.

330

Doogan Lough, E. of Newport. W.M.  
Aug. 31. 7. 11.

*Limnaea peryz*  
" *palustris*  
" *stagnalis* a beautiful olive form.  
*Planorbis altus*  
" *contortus*  
" *spiralis*  
*Valvata cristata*  
*Bith. tentaculata*

(2)

*Planorbis cristatus* B.B.W.  
" *pusillum*  
" *tillybrogi* B.B.W.  
" *milium* B.B.W.

331

Newport district.  
Aug. 31. 7. 11.

*Anisus albus* 1 + 2.  
" *suffusus* 1.  
*Limnaea alba* 1.  
*Aplexa agrestis* 1.



Newport district (continued).

<i>Hyalina cellaria</i>	Dead. 1.
" <i>radiata</i>	2.
" <i>crystallina</i>	2.
<i>Fra. nitida</i>	2.
<i>Helix hispida</i>	Near 1.
" <i>refusa</i>	Near 1.
" <i>aspera</i>	Near 1.
" <i>memoralis</i>	Near 1.
" <i>itala</i>	Near 1.
<i>Vertigo pyrum</i>	2.
<i>Pupa glabra</i>	1.
<i>Clavella bidentata</i>	Near 1.
<i>Phylla nigroti</i>	Near 1.
<i>Paludastrea</i>	
<i>stagnalis</i>	Near 1.

}

Newport district. W.M.  
and J. 1.8.11

<i>Agrio. apertus</i>	
<i>Arin. ater</i>	Var. <i>funnea</i> .
" <i>sulphureum</i>	
" <i>lortensis</i>	
<i>Limox. maxim</i>	
<i>Milax. papilion</i>	Var. <i>rara</i> .
" <i>maritima</i>	
<i>Hyalina cellaria</i>	
" <i>radiata</i>	
<i>Helix rotundata</i>	
" <i>hispida</i>	
" <i>refusa</i>	
" <i>superstius</i>	
" <i>memoralis</i>	
<i>Coch. tubicula</i>	

}



River Carron by, above Westport. W.M.  
 Aug. 1.8.11.

*Limnaea peregrina*  
 " *palustris*  
 " *truncatella*  
*Planorbis alba*  
 " *contorta*  
*Bitt. tentaculata*  
*Valvata piscinalis*  
*Sph. cornu*  
*Anodonta cyanea*  
*Pisidium*

332

Pond in Lord Mayo's Demesne (above fell)  
 Aug. 1.8.11  
*Limnaea peregrina*  
*Planorbis alba* In millions.

*Bitt. tentaculata*  
*Valvata piscinalis*  
*Sph. cornu*

*Pisidium patellum* frequent.

333

END OF  
 CLARE ISL.  
 SURVEY

Lough Gall demesne (garden), Armagh.  
 Aug. 12.8.11.

*Limnaea* *maxima*

" *[flava]* (tracks of a large yellow slug reported by gardeners)

*Hydrobia ulterius*

*Helix rapae*

on apple & yew trees.

*Limnaea peregrina*

" *auriculata*

" *stagnalis*

*Pl. contorta*

*Bitt. tentaculata*

*Sph. cornu*

Ringhaddy Castle, Sharpsford Lough, Down.  
 Aug. 20.8.11.

*Anis at*

*Hydrobia ulterius*

" *allian*

*Helix retundata*

" *hispidus*

" *remota*

" *aperta*

also. *Coch. lubrica*

*Pisidium glandulosum*

+ *Clausilia bidentata*



Kells (1) and Flemish (Mt) (2), Antun  
Cust. 26. 8. 11.

- Agriol. apertus* 1 + 2.  
*Limax artman* 1.  
 " *maximus* 2. Fine large + spotted specimen in  
 field north-east of Flemish.  
*Arion ater* 2.  
 " *suffusus* 2.  
 " *intermedius* 2.  
 " *circumscriptus* 2.  
*Vitrea pellucida* 2.  
*Hyalina cellaria* 2.  
 " *alliana* 2.  
 " *nitidula* 2.  
 " *pura* 2.  
 " *crystallina* 2.  
*Helix stundata* 1 + 2.  
 " *leipida* 1 + 2.  
 " *memoralis* 1 + 2.  
 " (*lortensis*) A single specimen taken by J. L. S. Jackson  
 under a stone in field north-east  
 of Flemish upon B. N. F. C. excursion  
 in. The spot is a rough

See p. 137-138  
 for description of  
 record.

semi-cultivated area with patch  
 of native scrub here & there still  
 remaining. The dry summer prevented  
 any chance of my finding  
 this shell upon this occasion.  
 This is the only Antun record for  
*H. lortensis* but there is no doubt  
 that it is correct for the date  
 was extracted of R. Stander  
 of Manchester. See 1. 11. XVI, 281. 1907.

- Carychium minus* 2.  
*Pupa cylindrica* 1 + 2.  
*Clavistylis pidentata* 1 + 2.  
*Succinea* sp. found at 1.  
*Limax peregrinus* 1.



Sept Trip 1911.

At Stetfort, R. Welch, L. E. Adam, E. Collins  
& C. E. Wright.

Canal at West Drayton, Middlesex.  
A.W.S. & R.W. 9.9.11.

*Hyalina lucida*

" *cellaria*

" *nitida*

" *rogersi*.

*Helix hispida*

" *reflexa*

" *granulata* Dead.

" *cantharus*

" *hortensis*

" *nemorali*

" *aspera*.

" *arbutum*

" *rotundata*

*Coch. lubrica*

*Clausilia viduata*

" *caelestis* ?



West Drayton continued.

*Succinea Pfeifferi*  
*Limnaea peregrina*  
 " *stagnalis*  
 " *auriculans* Red.  
 " *palustris*  
*Physa fontinalis*  
*Planorbis vortex*  
 " *altus*  
 " *contortus*  
*Byth tentaculata*  
*Valvata piscinalis*  
*Sph. rivicola*  
 " *corneum*  
*Paludina vivipara*  
*Anodonta cyanea*  
*Unio tumidus*  
 " *pictus*

Ham Marsh at Greenhithe, West Kent.  
 A.S., R.W. & A.S. Kennard. 10.9.11.

*Hyalina nitidula*  
*Helix hispida*  
 " *nemoralis*  
 " *aspera*  
 " *cautiosa*  
 " *virgata*  
 " *intersecta* = *capitata* Mont.  
 " *reflexa*  
 " *pulchella*

*Anemone hepatica*. Millions at roots of grass, *Glaux maritima*  
 + the plants just at high tide mark.

*Physa myosotis*  
*Limnaea peregrina*  
 " *palustris*  
*Physa fontinalis*  
*Planorbis uniplicatus*  
 " *cautus*  
 " *vortex*  
 " *spiralis*  
*Byth. tentaculata*

Also *Pal. stagnalis*  
 " *ventrosa*  
 " *jinkinsi*

*Pisidium nitidum* ✓  
 one very depauperate  
 shell.  
 ver. A.S.S. 1924



Near Stoneham Farm, South Malling, Lewis  
East Sussex. AS + RD. 11.9.11.

*Vitruia pellucida*

*Hyalinea cellaria*

" *nitidula*

*Jm. nitidus*

*Helix rotundata*

" *hispida*

" *refusa*

" *cantharus*

" *rupestris*

" *italica*

Several dead.

" *intertexta* = *capitata* Mont.

" *herispensis*

" *aspera*

" *pubescentella*

" *costata*

" *remota*

*Coch. lupina*

*Caudostr. minus*

*Papayoides*

" *muscorum*

" *reca*

On down (RD) one specimen only.

*Claustrea identata*. a specimen from approach *C. dubia* Drap.

"

in some way

Well marked  
interlamellary



" *laminata*

*Era opura*

*Succin. putri*

" *officinalis*

*Lim. stagnalis*

" *pergeri*

" *palustris*

*Planorbis umbilicatus*

" *rotundus*

" *contortus*

*Bith. tentaculata*

*Valvata macrostoma*

See p. 64. In full list →

In the first drain in the marsh at end  
of lane. The 2nd British habitat.

*Phys. putri*

*Sphaer. cornu*

*Cerithium vulgatum*

335.



Bank of the Ouse from Lewes to  
 Offham, ES. and R. 11.9.11  
 Arion ater L chalk pit Offham. The first  
 slug seen on the trip.

*Hydrobia cellaria*

" *nitidula*

*Helix stundata*

" *leipside*

" *rufescens*

" *cautiana*

" *aspera*

" *virgata*

" *intersecta* = capitata mont.

*Corb. lubrica*

*Clavilia pidentata*

*Gelostoma elegans*

*Lima peruviana*

" *palustris*

" *stagnalis*

" *truncatula*

*Physa fontinalis*

*Planorbis cornu* In one drain only

" *rotax*

*A. umbilicata*

" *contorta*

*Succinea putris*

*Bitt. tentaculata*

" *leachii* ?

*Pal. jenkinsi*

*Sph. cornu*

" *lacustris* In dead shell.

*Pisidium*

336

missing

Pevensey Level, Pevensey, ES.  
 and, R. W., C.E.O., L.E.A. & E.C.

12.9.11.

- ① Moat, & of Pevensey Castle.
- ② Old Haven Marsh, east of Pevensey
- ③ Western Marsh, south-west of Pevensey  
 station (1 1/2 miles).







Roadside to Houndean Bottom, Drans at  
Racecourse and woods & marsh near  
Offham, Lewes, ES.

Ans, RW, E.C., L.E.A., & C.E.W. 13.9.11.

*Vitrea pellucida* Dead shells of a very large form.

*Hyalin cellaria*

" *nitidula*

" *pura*.

*Helix rotundata*

" *pulexella*.

" *leopida*

" *rufescens*

" *cantrina*

" *nemorata*

All dead. Some large shells.

" *aspera*

Very large dead shells in Offham Woods.

" *itala*

One dead in Offham Woods.

" *rigata*

" *intersecta*

= *asperata* Mont.

" *leopensis*.

" *carthusiana*

On right hand bank 1/2 mile along  
the Brighton Road just prison.

All young & many killed with the  
drought. No rain here since  
15<sup>th</sup> of June, when a shower lasting  
20 minutes fell.

*Ena obscura*.

*Coch. lubrica*.

*Claviclea fidentata* } Common in Offham Woods.

" *rolphi*

" *laminata* Offham Woods. This is the famous place  
for white spein. A few seen.

*Cyclotoma elegans*

Marsh along the course of Gokshute Stream  
near the Priory, Lewes, ES.

Ans & C.E.W. 13.9.11.

*Jon. nitida*

*Helix rigata*

" *aspera*

" *cantrina*

*Lim. puzos*

" *pallidula*



## Cockshute Marsh, Lower, cont.

*Lemna stagnalis*" *truncatula**Physa fontinalis**Planorbis contorta*" *unpunctata*" ~~unpunctata~~*Bith. tentaculata**Valvata piscinalis* Dead. Very light species from.*Meristina planorbis* In the stream.*Sph. cornu**Pisidium amicum* In the stream.

"

*Pal. jenkinsi* "Solid"! Millions!Same locality but further inland  
as S & C. E. O. 14.9.11.*Helix aspersa*" *cantiana*" *rigata**Lim. pumila*

See full list p.

also Vol. 1. p.

(340)

*L. palustris*" *stagnalis**Physa fontinalis**Planorbis cornu*" *unpunctata*" *contorta*" *reticulata*" *contorta**Segmentaria nitida*

Many white reported from here. Very good for pale ones.

Common &amp; large.

Abundant in the drain nearest stream  
of lane leading under railway  
1/2 mile north or west of station.*Bith. tentaculata**Valvata cristata**Sph. cornu*" *lacustris**Pisidium*

Common in places. [as S &amp; as S] 15.9.11]

(341)



Marsh beyond Smith Mallory  
(2<sup>nd</sup> visit, see p. 54.), Lower, F.S.  
and, R.W., E. Collier, C. E. W. & L. E. A.

*Agrio. apertis*

*Hyalinae ullae*

" *nitidula*

*Jm. nitida*

*Helix rotundata*

" *lirpida*

" *rufescens*

" *cautiana*

" *arbutum*

In netter along wooded bank of  
marsh. Splendid ground!

" *hortensis*

" *nemorali*

" *aspera*

" *virgata*

" *intersecta*

= *capitata* Mont. R. Brown.

" *liripensis*

In hedge of lane leading  
to the marsh.

*Col. tubicula*

*Puccin. patris*

Rare.

" *puffei*

*Lim. puer*

" *palustri*

" *stagnalis*

*Physa fontinalis*

*Planorbis albus*

" *umbilicata*

" *montana*

" *nitida*

" *contorta*

" *fontana*

*Bith. tentaculata*

*Voluta cristata* Common

" *macrostoma*

" *piscinalis*

Not apparently caring much for each  
other company, but certainly  
associated in one or two drains,  
or rather part of one drain, that  
parallel with the road & "wood".  
A few odd specimens. Very large.

*Pal. jenkinsi*

*Gelostoma elyza*

*Sph. cornu*

*Pindia*

"

(342)

missing



66.

Marsh between Steyning & Bramble (V)  
and the Moat of Bramble Castle.  
West Sussex. ASD, RW & CEU. 15.9.11.

*Agrio. apertis* 2  
*Arim circumscripta* 2  
*Vitum pellucida* 2  
*Hyalin cellae* 1+2  
 " *nitidula* 1+2  
 " *purpurea* 2  
*Helix rotundata* 1+2  
 " *pulchella* 1  
 " *liripida* 1+2  
 " *rufescens* 1+2  
 " *cautaria* 1+2  
 " *hortensis* 1+2  
 " *neurata* 1+2  
 " *arbutum* 2  
 " *aspera* 1+2  
 " *virgata* 1+2  
 " *intertexta* = *capitata* Mont. 2.  
 " *liripensis* 1

*Coch. lubrica* 1+2.

67.

*Carychium* 2.

*Pupa recalcit* 2.

*Clavaria laminata* 2.

" *rolphi* 2.

" *fidistata* 2+1.

*Era obscura* 2.

*Cyclotoma elegans* 2.

*Limnaea peregrina*

" *palustris*

" *stagnalis*

*Planorbis cornu* Dead.

" *umbilicata*

" *contorta*.

*Vaheria pinnata*

*Bitt. tentaculata*

*Pal. juncivora*

*Ph. cornu*.

*Pisidium nitidum*  
*Jung.*

Or Caddis larv.

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Horsham, West Sussex.  
A.S. & C.E.O. 16.9.11.

*Helix aspersa*  
*Lima peregrina*  
" *palustris*  
*Physa fontinalis*  
*Planorbis albus*  
" *carinatus*  
" *contortus*  
*Vatista piscinalis*  
*Sph. cornu*  
*Pis. amnicus*  
" *subtruncatus*  
" *milium*.

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The White Downs, Dorken & Parmer Common  
Sussex. A.S. & C.E.O. 16.9.11

*Arion intermedius*  
*Vitrea pellucida*  
*Hyalina cellaris*  
" *nitidula*  
" *rogersi*.

*Hy. pura*.

*Helix retundata*

" *lispida*

" *rufescens*

" *canthiana*

" *virgata*

" *intertexta* = *capitata*, Mont.

" *itala*.

" *hortensis*

" *neumoralis*

" *aspersa*.

" *promatensis*.

Several aline among dry grass  
& scrub. Hudders first  
by fire in field above  
railway, below Denton.

*Coch. lukina*

*Carychi* *min*

*Clausilia pidentata*

*Eux obesa*

*Gylostoma elegans*

See also Vol. I p.

*C. acicula*

*A. tridentatus* (1908)



Castle Mill, Riv. Mole, Dorset  
July. 16. 9. 11.

*Lemna peruviana*

" *auriculata*

*Aradonta yzua* (C.E.U.).

In mill dam

Amberley, Bury & Bignor, West Sussex  
and S. R.W., L.E.A. & C.E.U. 17. 9. 11

(1) Amberley - Bury. Marshes &c.

(2) Bury - Bignor. Roadsides &c.

(3) Bignor - Sutton Downs & Roadsides.

*Agriolacina* (1)

*Arion intermedius* 3.

" *circumscriptus* 2.

*Vitrea pullulata* 2 + 3.

*Hyalina cellaria* 2 + 3.

" *nitida* 2 + 3.

" *crystalina* 1.

*Jm. nitida* 1.

*E. fulvus* 1. Some very large specimens.

*Helix rotundata* 2 + 3.

" *pulchella* 1.

*Helix hispida* 2 + 3.

" *rufescens* 1, 2 + 3.

" *cantharus* 1, 2 + 3.

" *hortensis* 1, 2 + 3.

" *nemoralis* 2 + 3. Many dead shells.

" *arbutum* 2 + 3.

" *aspera* 1, 2 + 3.

" *obsoleta* 3. Several alive & some dead in my old Lakhtat Street Sutton & the Downs in deep lane. The plant association is ash, Maple, Hazel, Thorn, Bramble, Ivy &c. But no heath is near this spot. See vol. 1, pp. 168.

" *virgata* 1, 2 + 3

" *intersecta* = *capitata* N. 2 + 3.

" *herpessens* sub 2.

" *itala* 3. Dead on downs.

*Coch. lubrica* 1, 2 + 3.

*Carychi. mini* 1 + 2.

*Vertigo antistylis* 1.

*Pupa murex* in down above Bury.



Amberley continued.

- Clavella rophi* 2+3.  
 " *identata* 2+3.  
 " *laminata* 2+3.  
*Ena obscura* 2+3.  
*Scinia patini* 1.  
 " *pfeifferi* 1.  
*Limnaea peregrina* 1.  
 " *auriculata* 1. A form approaching var. *acuta*. Not passed as *L. auriculata* by the rest of the party (L. E. Adams in particular) but they don't know the shell identity as there is no mistaking the young example of which I saw hundreds with the grey of *L. peregrina*.  
 " *stagnalis* 1.  
 " *palustris* 1.  
 " *truncatula* 1+2.  
*Physa fontinalis* 1.  
*Planorbis cornu* 1.  
 " *uniplicatus* 1.  
 " *carinatus* 1.  
 " *rotax* 1.

- Pl. spinosa* 1.  
 " *alba* 1.  
 " *fontinalis* 1.  
 " *contorta* 1.  
*Valvata cristata* 1.  
 " *piscinaria* 1.  
*Bith. tentaculata* 1.  
*Cyclotoma elegans* 2+3.  
*Paludina vivipara* 1. Common in river.  
*Vermetus flammula* 1. " " "  
*Pal. confusa* 1. A few in large drain which flows from Bury past the church into the Arun, under grass &c on bank of same slightly above high water. All very young. Evidently the wrong time of year. Also one dead one in typical habitat - (see above plate) further down the main stream.  
*Sph. cornu* 1.  
 " *lacustris* 1.  
*Pisidia*  
 " "  
 " "



Hammer Pond, near Hurstley & Lea Park,  
Surrey, ant. RW & C.E.W. 18.9.11.

*Agria laevis*.

*Arim intermedi*

*Hyalin cellari*

" *allian*

" *radiatula*

" *crystallin*

*E. fulvus*.

*Jm. nitida*

*Helix stansdalei*

" *intersecta* = *capitata* Mont.

" *asperosa*.

" *nemorali*

*Coch. lubrica*

*Carychium vivum*

*Vertigo antistictis*

" *pygmaea*

" (*modicorum*) 1908-9. Not seen this year in old spot.

" (*substriata*) " Not seen.

*Succinea putris*

*Lima palustris*

" *truncatula*

*Planorbis albus* Red

" *contorta* ~~Red~~ Comm.

" *putris* RW.

*Pisidium*

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John = Lea Park Lake of RW.

*L. stapida*

*Pl. putris*

River Wey, above Guildford, Surrey.  
ant. RW & C.E.W. 18.9.11.

*Lima perymaea*

" *auricularis*

" *palustris*

*Physa fontinalis*

*Pl. carinata*

" *umbilicata* C.E.W. Very doubtful, but it occurs at  
Guildford. See vol. 1, p.

" *rotunda*

" *contorta*



## River Veg continued.

*Vibrata pinnata**Pal. jenkinsi* In the "pickwork" at work. Common  
then in the 1st. p.*Bith. tentaculata**Paludina vivipara**Sph. communis**Anodonta cyanea**Psidium amnicola**" henricola* } with *P. jenkinsi*, (347)*" cupreum**" casertanum*

North Essex  
 Lea River, Braintree, ~~South Essex~~  
 A.S. & R.W. 20.9.11

*Limnaea peregrina**" stagnalis**Physa fontinalis**Planorbis albus**" carinata**" intex.**Bith. tentaculata**" leachi**Sph. communis**Pisidium*

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END of Sept. Trip. 1911

Shore of Lakeland Lough, Manulla Junction,  
 East Mayo. A.S. & R.L.P. 11.11.11

*Agrion apertum* Purple & reticulated var.*" laevis**Melania fagata**Ariom ater**" latensis*

Certain native here.

*" circumscriptum**Hyalina nitidula**" radiatula**" crystallina*

Under limestone  
 boulders on the  
 shore of lake at  
 the old beach-  
 level.



*Manulla Junctioni* continued.

*Helix* *reperitur*  
 " *liripida*..  
 " *aspera*..  
 " *itala*..  
*Coch. lubrica*  
*Carychium* *min.*  
*Vertigo* *antivertigo*  
 " *pyramis*  
*Pupa* *glauca*  
*Succinea Pfeifferi*

Dead shells collected on lake shore in drift. Many shells derived from the underlying marl-beds.

*Fontoides nitida*. a few.  
*Succinea Pfeifferi*. "  
*Limnaea peregrina* Abundant  
 " *palustris* Rare  
 " *truncatula* Common  
 " *stagnalis* frequent. a few little from like  
 by *L. palustris*.

*Planorbis alba* Rare.  
 " *contorta* Rare.

*Valvata cristata* Rare.

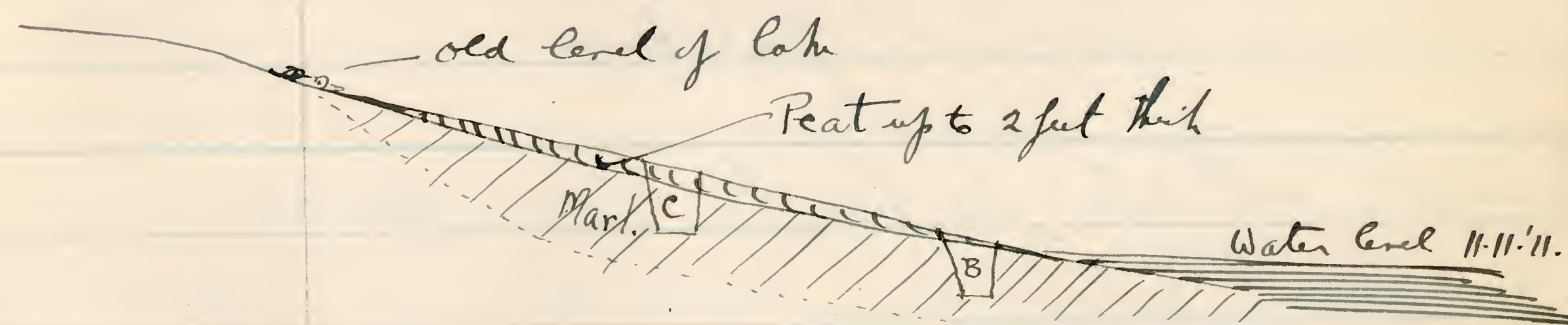
" *pirinali* common.

*Bitt. tentaculata* Abundant.

*Pisidium pusillum* (not verified by B.B. U).

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Section of lake shore + marl-beds.



Two pits were dug + samples taken at various levels from each (see lists of species) but the depth of the marl was not ascertained. at C however it was certainly 9 feet deep.



## Manulla continued

Secten B.

Sample from surface of marl. *Limnaea peregrina*,  
*Bithynia tentaculata*,  
*Pisidium nitidum* ✓ (350)

Sample at 1-2 feet. *Limnaea peregrina*,  
*Bithynia tentaculata*,  
*Pisidium nitidum* ✓ (350 A)

Sample at 2-3 feet. *Limnaea peregrina*, *L. palustris*,  
*Bithynia tentaculata*,  
*Pisidium nitidum* (350 B)

Sample at 3-4 feet. *Limnaea peregrina*,  
*Bithynia tentaculata* (350 C)  
*Pisidium nitidum*

Sample below four feet. *Limnaea peregrina*,  
*Bithynia tentaculata* (350 D)  
*Pisidium nitidum*

Secten C.

Sample at surface. *Limnaea peregrina*, *Cochlicopa lubrica* (1 sp. broken)  
*Bithynia tentaculata*, *Valvata piscinalis* (2 sp.)  
*Pisidium nitidum* (common) (350 E)  
*L. stagnalis*

Samples at 1-2 feet. } *L. peregrina*, *B. tentaculata*, *V. piscinalis*  
 and 2-3 feet. } *P. nitidum*, *P. obtusum* (350 F)

Sample at 3-4 feet. *L. peregrina*, *B. tentaculata*,  
*P. nitidum* (350 G)

Sample at 4-5 feet. *Limnaea peregrina*, *L. stagnalis*,  
*Bithynia tentaculata*, *Valvata cristata*,  
*Pisidium nitidum* (350 H)

[Note in tubes in collection samples from  
 1 to 3 ft are labelled "3 ft."  
 Those from 3-4 ft "4 ft" and those  
 from 4 to 5 ft "5 ft". A.V.S. 1917.]



Colln glen, Belfort Hills, Antrim.  
 ASD. 5.11.11. (Day of storm).

*Agrio. agrestis*

" *laevis*.

*Arion ater*.

" *suffusus*.

" *hortensis*. Certain native.

" *circumscriptus*.

" *intermedius*.

*Vitrea pellucida*.

*Hyalina nitida*.

" *alliana*.

" *pura*.

" *cyathina*.

" *fulva*.

*Helix rotundata*.

" *hispida*.

" *fusca*.

*Coch. lubrica*.

*Carychium minus*.

*Pupa anglica*.

" *cylindrica*.

*Limonax truncatula*.

Shore of Lough Neagh at Cranfield Church.  
 Antrim. ASD + RW. 16.11.11.

*Agrio. agrestis* Purple & reticulate varietal forms.

" *laevis*.

*Arion suffusus*.

" *intermedius*.

" *circumscriptus*.

*Vitrea pellucida*.

*Hyalina nitida*.

" *pura*.

*Jon. nitida*.

*Helix rotundata*.

" *hispida*.

" *pygmaea*.

" *aspera* (In church-yard).

*Coch. lubrica*.

*Carychium minus*.

*Vertigo pygmaea*.

*Planorbis pfeifferi*.

Also *Planorbis rotundata* in flow-dam at  
 Ferragh House.



Dickson's Nursery, Newtownards, Down.

as D. & N.H.F. 17.11.11.

*Agrio-lacini* (?) a grey brown form with dark blue tentacles.

*Hyalina lucida*. Very polished form & not one I have met with before. Animal rather paler than customary.

*Lutulina octona* Abundant in one old house next wall.

Near Coney Island, Killough, Down.

as D. 28.12.11.

(*Limnaea stagnalis*) (and glass of *Stagnalis*.)

*Helix hispida*

" *nummulus*

" *aspersa*

*Pupa glabra*

" *muscorum*

Alina.

} Hibernating.

Quite good ground but did not look for shells.

Hillhall Glen, Down.

as D. 30.12.11

*Arion (ater)* (?) Eggs abundant, oo.

" *circumscriptus*

*Vitrina pellucida*.

*Hyalina alluvina* Var. *viridula*. In "million" dead.

" *pura*.

" *radiatula* var.

" *crystallina*.

*Helix hispida*

" *rotundata*

" *nummulus*. "Central" form with undulating markings.

*Coch. lubrica*.

*Clavella pidentata*

*Anagallis flavicollis*



Groganstown Glen, below Castle Rottin  
Belfast Hills about 800 ft. alt. Autumn.  
Aut. 21.1.12.

*Agrio. laevis*.

" *agrestis*.

*Limax maximus*

*Arion hortensis*

" *circumscriptus*

*Vitrea pellucida*.

*Hyalina alba*

" *pura*.

" *crystallina* 2 forms.

*Helix rotundata*

" *remigata*

" *arbutorum*

*Coch. lubrica*.

*Clausilia bidentata*

N.B. This valley is the head of  
that in which the Lisburn  
Water supply is stored.  
Very good ground!

No young shells of a beautiful dark colour.

Lagan Bank, Annadale, Down.

Aut. 28.1.12

*Agrio. agrestis*

*Arion ater*

" *subfuscus*

" *intermedius*

N.B. Opposite Boat Club

Annadale Continued.

*A. hortensis*.

*Vitrea pellucida*

*Hyalina alba*

" *alba* Dead.

" *pura* Dead.

" *radiata* Var. *viridula*

*Helix rotundata*

" *lipida*

*Coch. lubrica*.

*Clausilia bidentata*

*Vertigo pygmaea*.

*Limnaea peregrina*

" *truncatula*

*Pal. jenkinsi*

Several dead shells in field-pool two  
fields on south of New Bridge at  
Stranmillis. See Vol. 1 p.



Nealough Glen, south of Purdy's Burn, Down.  
 Aug. 10. 2. 12.

*Arion subfuscus*  
 " *Lortensis*  
 " *circumscriptus*  
*Vitrina pellucida*.  
*Hyalina cellaria*  
 " *alliana*  
 " *nitidula*  
 " *pura*.  
 " *crystallina*  
*Helix rotundata*  
 " *hispidula*  
 " *nemoralis*  
*Clausilia pidentata*  
*Carychium* *min*  
*Ameglinus flavicollis*

Anglinadarragh Lough & Carrickmaunn Lough  
 near Saintfield, Down. Aug. 24. 2. 12

*Agriol. agrestis*  
 " *laevis*  
*Arion subfuscus*  
 " *intermedius*

Lake near Saintfield continued

*Vitrina pellucida*  
*Hyalina nitidula*  
 " *pura*.  
 " *radiatula*  
 " *crystallina*  
 " *fulva*.  
*Helix rotundata*  
*Vertigo pygmaea*  
 " *antivertigo*  
*Coch. lubrica*  
*Clausilia pidentata*  
*Carychium* *min*  
*Limnaea pereger*  
 " *truncatula*  
*Planorbis albus*  
 " *crista*  
 " *glaber*  
 " *costatus*  
*Valvata pinnatilis*  
*Sphaerium corneum*  
*Pyridium milium*  
 " *pulexellum*  
 " *subtruncatum*  
 " *obtusale*

Taken here in 1904 by A.W.S.

" " " " " "

1904.

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White Rock Quarry, Black Mt., Belfast.  
Antoni. Aug. 28. 2. 12

*Agrio. apertis.*

*Arion ater.*

" *subfuscus.*

" *hortensis.*

Some very queer bronze coloured specimen  
with foots of yellow at front  
& rear. Very like a hybrid form.

" *circumscripta.*

*Vitruvia pellucida.*

*Hyalina cellaria* Dead.

" *albicans* near bog on chalk outcrop.

" *nitidula.*

" *pura.*

" *crystallina.*

*Helix rotundata.*

" *hispida.*

" *memorabi.*

*Coch. lubrica.*

*Carychi.*

*Clanville pidentata.*

*Balea purpur.* On chalk cliff, dead.

*Purpura glandulosa* & *Vertigo pygmaea*

White Rock Quarry + Windy Gap, Black Mt.  
Belfast, Antoni. Aug. 6. 3. 12.

alt. about 600-700 ft.

*Agrio. apertis.*

" *laevis.*

*Arion hortensis.*

" *circumscripta.*

" *subfuscus.*

*Vitruvia pellucida.*

*Hyalina cellaria.*

" *albicans.*

" *nitidula.*

" *pura.*

Very fine + common.

" *radiata.*

" *crystallina.*

" *fulva.*

*Helix rotundata.*

" *pura.*

" *hispida.*

" *memorabi.*

*Coch. lubrica.*

*Carychi.*

*Clanville pidentata.*

& *Balea purpur.*

*Sph. edentula*



Main Water near Galgorm (Ballymena), Antrim.  
 A.S. 4.4.12.

*Agrio. agrestis*  
*Arion ater* Var. *bunnea*.  
*Vitrea pellucida*  
*Hyalina nitidula*  
 " *alliana*  
*Helix rotundata*  
 " *hispida*  
*Succinea pfeifferi*  
*Lemnaea peryger.*  
*Planorbis albus*  
*Valvata pinnata*  
*Byth. tentaculata*  
*Sph. cornu.*  
*Pisidium subtruncat.*, *pilula*, *nitidula*, and *hibernicum*

Coast from Cushendall to Lough, Antrim.  
 A.S. 4.4.12.

*Agrio. agrestis*  
*Arion ater*  
 " *subfuscus*.  
*Vitrea pellucida*

Lough continued.

*Limon. maximus* In Lough church yard. Common & fine.

*Hyalina cellaria*

" *alliana*

" *nitidula*

" *para.*

" *radiatula*

" *crystallina*

*Helix rotundata*

" *hispida*

" *rufescens*

Among rubbish thrown from Dobbs' house over cliffs.

" *pulchella*

Near end of road to sand.

" *memorata*.

*Coch. lubrica*.

*Carychium*

*Clausilia pidentata*

*Pupa anglica*

Lough glen below church.

" *cylindracea*

*Sph. edentula*



Lurgethan, N.E. cliffs, Cuskendall  
Antrim. Aug. 5. 4. 12.

*Agnis agrestis*

1000ft alt.

*Lima maximus*

Near ruined Lunc at 300ft. alt.

" *arborum*

700ft. alt.

*Arion ater*

1000ft. Var *humana* 700ft alt.

" *suffusus*

"

" *intermedius*

"

" *circumscriptus*

"

*Vitrea pellucida*

700 ft.

*Hyalina alliana*

1000ft.

" *nitida*

"

" *pura*

"

" *radiata*

"

" *crystallina*

"

" *fulva*

"

*Helix rotundata*

"

" *hispidula*

"

" *memoralis*

"

*Coch. lubrica*

700 ft.

*Carychium*

700 ft.

*Clausilia bidentata*

1000ft.

*Vertigo pygmaea*

700ft.

Also *H. nepestrina* on the only natural outcrops of chalk over looking Cuskendall on the N. slope of Lurg. Not at all the common plentiful. This is the print of its known range in N.E. Ireland

Also *Acicula lineata*, 700ft.

*Balea pumila*, 300ft.

Near Waterfoot, Glenariff, Antrim.  
Aug. 5. 4. 12.

*Milax gagates*

*Arion ater*

" *hortensis*

Above pier.

" *circumscriptus*

*Hyalina nitida*

" *crystallina*

*Helix hispidula*

" *rotundata*

Nearly all white above pier.

" *pulex*

" *asperata*

Very common on both sides of road near pier and below old Castle. One dead shell in sand on golf links across river

" *memoralis*

" *aspera*

Dead near Waterfoot + near C.G. Station + dead in sand-hills at Golf Links.

*Coch. lubrica*

*Carychium*

*Pupa cylindrica*

*Clausilia bidentata*

*Pisidium personatum*

Under stones on wet slope above pier with *H. asperata*.



## Glenallyonon, Cuskerdall.

Antrim. A.S. 6.4.12.

1. Near Waterfall at head of Glen.
2. In side glen on N.W. side of Vally  
Opposite lime-pit at Retreat.
3. Isbawn Valley.
4. Tievebullagh (east) cliffs up to 1,150 ft.

<i>Agris. apertus</i>	1-4.
<i>Arion ater</i>	1-4.
" <i>intermedius</i>	1-4.
" <i>circumscriptus</i>	1-3.
<i>Vitrea pellucida</i>	1-4.
<i>Hyalinia alliana</i>	3 + 4.
" <i>nitida</i>	1-4.
" <i>pura</i>	1-4.
"	
" <i>crystallina</i>	1-4.
" <i>fulva</i>	1 + 3.
<i>Helix rotundata</i>	1-4.
" <i>lirpida</i>	1-4.
" <i>fulva</i>	1 + 2.
" <i>astatum</i>	1 + 2. Nearly all yellow in No. 1 + all brown in No. 2.

*Helix nemoralis* 1-4. On the <sup>basalt</sup> cliffs of No. 4 + on the grass  
slope below them there lives a race  
quite like the alpine forms of the  
Sligo Mts. Many specimens have  
white lips.

<i>Coch. lubrica</i>	1-4.
<i>Carychium</i>	1-3.
<i>Clausilia bidentata</i>	1-4.
<i>Sph. edentata</i>	3.
<i>Angitia fluvialis</i>	1.

And clini Mountain, between Glenariff and Carnlogh,  
Antrim, A.S. 7.4.12.

1. Lough Ratallij, 1100 ft alt.

*Lemnaea truncatula*? (? *L. palustris* juv.)

*Pisidium nitidum* ANIS 1949!

" *lilljeborgi* ANIS 1949!

See also  
p. 179  
*L. palustris*

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Ardelean Mts. continued.

2. Lough na cally, 1050 ft. alt.

*Psidium lillybryi* ✓

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3. Lough Fine lower = Lough Fine

No shells seen, but was prevented looking for any owing to fishermen.

4. Lough Fine Upper. = Lough No 3 on map.  
Small lake SE of L. Fine

*Psidium lillybryi* ✓

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5. Lough No. 4. = Lough nambrack! AWS 1949.  
1/3 of a mile NW of Little Troak  
+ 1/8 of a mile N.E. of Lough Fad.

*Psidium* ~~obtusum~~ *libanicum* ✓  
" ~~caeruleum~~ *lillybryi* ✓  
" *nitidum* ✓

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Cliff of Glenariff at Craignapat (800-900 ft.) Antrim.  
A.W.S. 7.4.12.

*Arion ater*,

" *suffusus*.

*Hyalinia allinea*

" *nitidula*

" *para*.

*Helix stundata*

*Pupa cylindrica*

Dunnasale and Farrer Pt., Antrim.  
A.W.S. 10.4.12.

*Agrio-agrestis*

*Milax sowerbyi*

The fine specimen under log in woods when  
old road from Carnlough to Farrer Tower ends  
in wooden bridge across stream.

A most extraordinary record.

With *M. sowerbyi*.

*Limax maximus*

*Arion ater*

" *hortensis*

" *circumscripta*

*Vitrina pellucida*.

In glen below Farrer Tower near the Point.



## Garra Pt. Continued.

*Vitrea pellucida*  
*Hyalina cellaria* With *H. hortensis*  
 " *alliarum*  
 " *nitidula*  
 " *pura*  
 " *crystallina*  
*Helix rotundata*  
 " *hispida*  
 " *fusca*  
 " *rupestris*  
 " *nebulosa*  
*Coch. lubrica*  
*Carychium*  
*Clausilia bidentata*  
*Pupa cylindrica*

Small pool on summit of Cross Slieve  
 between Cashendall & Cashendane.  
 Aug. 10. 4. 12.

No shells seen.

*Gallies*  
 Gallies above Milltown, Ardara, Antrim  
 Aug. 11. 4. 12.

1. Small gulf above old railway shed.  
 2. Cusherill glen.  
 3. Ardara glen.  
*Agriopora* 1-3.  
*Anisostoma* 1-3.  
 " *suffusa* 3.  
 " *intermedia* 2.  
 " *circumscripta* 2.  
*Vitrea pellucida* 1-3. One fine dead shell taken in No. 3.  
 Very globose indeed.  
*Hyalina cellaria* 1-3. Very fine shells in No. 2. One specimen  
 measuring over 14 m. m. in diameter. All dead.  
 " *alliarum* 1.  
 " *nitidula* 1-3. Var. *helix* common at head of No. 2.  
 " *pura* 1-3.  
 " *crystallina* 1-3.  
 " *fusca* 2. Fine dead shells.  
*Helix rotundata* 1-3.  
 " *hispida* 1-3.  
 " *fusca* 1-3.



## Ardeleani Continued.

*Helix nemoralis* 1+3.*" rufescens* 1-3.*Coch. lubrica* 1-3.*Carychium* 1-3*Clausilia pidentata* 1-3*Balea perrana* 1.*Sph. edentata**Pupa cyathodonta*

Glendun (South side), Arden.

Aug. 12. 4. 12.

*Agrio. apertus**" laevis* Near Viaduct.*Arion ater**" sulfureus**" intermedius* Very dark.*" hortensis* (?) Near Viaduct. Possibly former species.*Hyalina cellaria* One dead shell.*" alluvina**" nitida**" pura* Very common.*Hy. radiatula**" crystallina**" fubra**Helix retundata**" hispida* Very rare indeed.*" fusca* Near river.*Coch. lubrica**Carychium**Clausilia pidentata**Pupa cyathodonta**Acicula tenuis**Lemna pergeri*

A very small form - wood-id. drain near Viaduct.

Feddauanry, Glenariff, Arden.

Aug. 13. 4. 12.

*Agrio. apertus**Arion ater**" circumscriptus**Vitina pellucida**Hyalina alluvina*



## Glenariff continued.

*Hy. nitidula*" *pura*." *crystallina**Helix retundata*" *hipida*" *fusca*." *neuralis* Very abundant in the woods.*Coch. lubrica*.*Carychium minus**Clausilia bidentata**Pupa cylindrica**Angulus flavicollis**Asicula lineata*

Garranure Glen near farm Pt, Antim.

Oct. 14. 4. 12.

*Apria agrestis**Arion ater*" *suffusus*" *intermedius**Vitru-fellucoides**Hyalina alba*" *nitidula*" *pura*" *crystallina*" *fusca*

Very fine dead shells.

*Helix retundata*" *subpectin*" *hipida*" *fusca*." *neuralis**Coch. lubrica*.*Carychium minus**Clausilia bidentata**Pupa cylindrica*

End of Easter Holiday

1912.



Small lake near Monlough, Down.  
 a.s. 26. 4. 12.

*Linnæa peryen*  
*" palustris*  
*Planorbis albus*  
*" contorta*  
*Pisidium milium*  
*"*

(358)

Monlough, near Carriguff, Down.  
 a.s. 26. 4. 12.

*Linnæa peryen*  
*" auriculata* *One young shell. ✓ var. acuta, Jeff.*  
*" palustris*

*Physa fontinalis*  
*Planorbis albus*

*Planorbis glaber*  
*+ Auricula lacustris*

*" cristata*  
*" contorta*  
*Valvata pinnata*  
*" cristata*  
*Pisidium ferill*

*Pl. glaber*

(359)

missing

Glencoe, near Larne, Antrim.  
 a.s. 27. 4. 12.

*Agrius apertus*

*Aurina ater*

*" hortensis*

*" circumscripta*

*Vitulina pellucida*

*Hyalina nitidula*

*" pura* R.

*" crystallina*

*Helix rotundata* R.

*" limpidus* Splendid shell in glen at Rungill.

*" nemoralis*

*" arbutorum* One dead shell at Rungill ~~Glencoe~~

*Carychium*

*Claustilia fiduciosa*

Glencoe, continued 10. 5. 12

*A. arbutorum* One alive at Rungill glen. Miss M. I. Adams

*A. lamellata* Alive at Rungill glen. R. J. Welch.



*Pisidia* from Lantay, Dublin collected  
by A.W.S. 24-26-June 1904 &  
identified by B.B. Woodward in 1912.

*Pisidium suthruncatum*, *P. casertanum*, *P. milium*  
& *P. personatum*.

See report in I. Nat. 1907. p 42.

NB. *P. casertanum* & *P. personatum* B.B.W.  
= *P. pusillum* *magrandis* & type of C. Redham.

Greenore, Louth. A.W.S. 25.5.12

*Limnaea peregrina* } on golf links.  
*Pal. jenkinsi* }  
*Pis. suthruncatum* }

*Helix nemoralis*

" *aspera*

" *virgata*

*Agriol. apertis*

*Arion ater*

up to 1000ft on Carlingford Mt.

In ditch on north side of Canal between Moira St.  
& the Broad Water. Antm. A.S. 28.5.12

*Limnaea peregrina*

" *palustris*

*Physa putrescens*

*Planorbis carinatus*

*Valvata cristata*

*Bith. tentaculata*

*Sphaerium cornutum*

Banks of +

In Canal itself between Moira and Aghalee,  
including the Broad Water. Antm.  
A.S. 28.5.12.

*Agriol. apertis*

*Arion ater*

" *suffusus*

*Hydrobia cellaris*

" *nitidula*

" *crystallina*

*Helix hispida*

" *nemoralis*

" *aspera*

*Planorbis plicatella*

*Succinea Pfeifferi*



Lagan Canal & the Broad Water cont.

*Anagrus flavistilis* In stream feeding the Broad Water  
*Limnaea peregrina*  
 " *auricularia* Very common on stones of embankment  
 near "flood gate" & on stems of  
*Butomus unguiculatus* at west end  
 of Broad Water. many white,  
 small & var. acuta  
 Rare. R. Welch. 6.7.12"

" *stagnalis*  
 " *palustris*  
*Physa fontinalis*  
*Planorbis carinatus*  
*Valvata cristata*  
 " *piscinalis*  
*Bith. tentaculata*  
*Sphaerium cornu*  
 " *lacustris*  
*Anodonta cygnea*  
*Physa* ~~mitis~~

No. 360

*P. subtruncatum*

River Lagan, Belvoir, Co. Down. Aug. 1.6.12

*Limnaea stagnalis*  
 " *peregrina*  
*Physa fontinalis*  
*Planorbis carinatus*  
*Valvata piscinalis*  
*Bith. tentaculata*  
*Sph. cornu*

Belvoir Park & Lough Pond, Down. Aug. 1.6.12

*Agrio. aperti*  
*Hyalina cristallina*  
*Helix retundata*  
 " *camellata* Under trees west of Pond.  
*Clavella filicollis*  
*Purpa anglica* With *H. camellata*.  
*Acicula lineata* With *H. camellata*.

In pond. *Limnaea peregrina*  
 [*L. auricularia notata*]  
*Planorbis fontanus*  
 " *carinatus*  
*Bith. tentaculata*  
*Valvata cristata*  
*Sphaerium cornu*  
*Physa* ~~mitis~~

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Royal Canal, Moyrally to Hill of Down,  
Kildare and Meath. Aug. 11-6-12.

*Agrio. apertis*  
*Lonic. flavum*

Under a large stone near a lane but  
not close to house.

*Arion ater*.

" *suffusus*.

*Hyalina laevis*

at base of railway bridge, Moyrally.

" *nitidula*

" *radistula* ?

" *crystallina*

*Zon. nitida*

Bank of River Boyne.

*Helix rotundata*

" *pulchella*

" *costata*

" *hispidula*

" *inflexa*

" *aspera*

" *nemorata*

" *hortensis*

" *itala*

" *nigra*

" *intermedia*

✓ Correct! G.W.S. 1924  
labelled "Boyne Aqueduct"  
I think taken under same with  
*Succinea oblonga*! G.W.S. 1924

Note Moyrally St.  
in Kildare.  
All the records are  
for Meath.

Moyrally Station.

Some very large sub-fossil in ditch.

*Coch. lubrica*

*Pupa cylindrica*

*Balea persura* Moyrally St. walls.

*Clausilia tarentula*

*Succinea fliffii*

*Limonaca peregrina*

" *stagnalis*

" *palestinensis*

" *truncatula*

*Asp. glutinosa*

*Physa putrida*

*Planorbis carinatus*

*Vahata pinnata* Very rare.

*Orith. texturata*

" *leachi*

The specimen above took at Moyrally, this  
is the most western specimen I know of.

*Vermetus fluvialis*

*Sphaerium comense*

*Cerithium amicum*

(362)

} NB. No trace of *P. rotunda* }  
which is common at  
Mullingar.



Marsh north of Royal Canal between  
Moyrally & Boyne Aqueduct. Meath. and.

11.6.12.

*Planorbis cornu* Common, but mostly dead in shallow  
drain in fields with *P. carinata*  
& *Bith. tentaculata*. This is well  
within the drainage area of the Boyne.

" *carinata*  
" *umbilicata*  
*Lemna pergeri*  
" *palustris*  
*Bith. tentaculata*  
*Pisidium pulchellum*

363

Bank of River Boyne below Canal Aqueduct,  
Meath. A. V. S. 11.6.12.

*Lemna pergeri*  
" *palustris*  
" *truncatula*  
*Puccinea otthya* Common & some large specimens  
" *psidii* with *S. otthya* on stones along river bank  
& on foundations of aqueduct.

*Planorbis carinata*

" *spiroth.* In marsh.

" *contorta* ?

*Bith. tentaculata*

*Valvata cristata*

" *piscinalis*

}

In the small rapids between canal & river  
Boyne, Meath. A. V. S. 11.6.12.

*Lemna pergeri*

" *stagnalis*

*Veronica filiformis* Very abundant but did not see it  
in the Boyne.

}



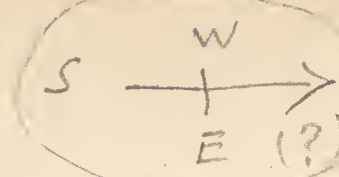
East side of Dingle Harbour, S. Kerry.  
A.U.S. 12. 6. 12.

Gt. Blasket. A.U.S. 13-16 June 1912.  
S. Kerry.

North west cliffs. 13. 6. 12.

*Limax cinereo-niger* Pale yellow-brown ground colour with stripes.  
*Agriol. apertus* Mostly pale.  
*Milax fagata* Var. plumbea. Common.  
*Arion ater* Type & Var. humilis & aterrimus.  
" intermedius  
*Hyalinia cellaria*  
" alliana  
" radiatula  
*Helix stans*

all published in Irish Naturalist  
for Oct 1912



= *excentrica*! A.U.S. 1924  
2 specimens!

*H. pulchella*

" *remoralis*

" *intertexta*

*Coch. lubrica*

*Carychium*

*Clausilia bidentata*

*Vertigo substriata*

*Purpura anglica*

Harbour

*Arion ater*

*Helix remoralis*

" *aspera*

" *virgata*

" *itala*

" *intertexta*

" *lurida*

A queer little form.

*Glanopharynx*  
Benny

*Colymbus*

One spec. not lost. Put off inside a *Hyalinia*  
& *P. cylindrica*.

Harbour find 14. 6. 12

Slieve Donagh, 7  
937 ft.

x Foilbeg →

Habitat for *L. cinereo-niger* →  
under stones in  
foreground.

South east cliffs 13. 6. 12

*Arion ater*

" *subfuscus*

*Limax asper*

In millions on the rocks at dusk.

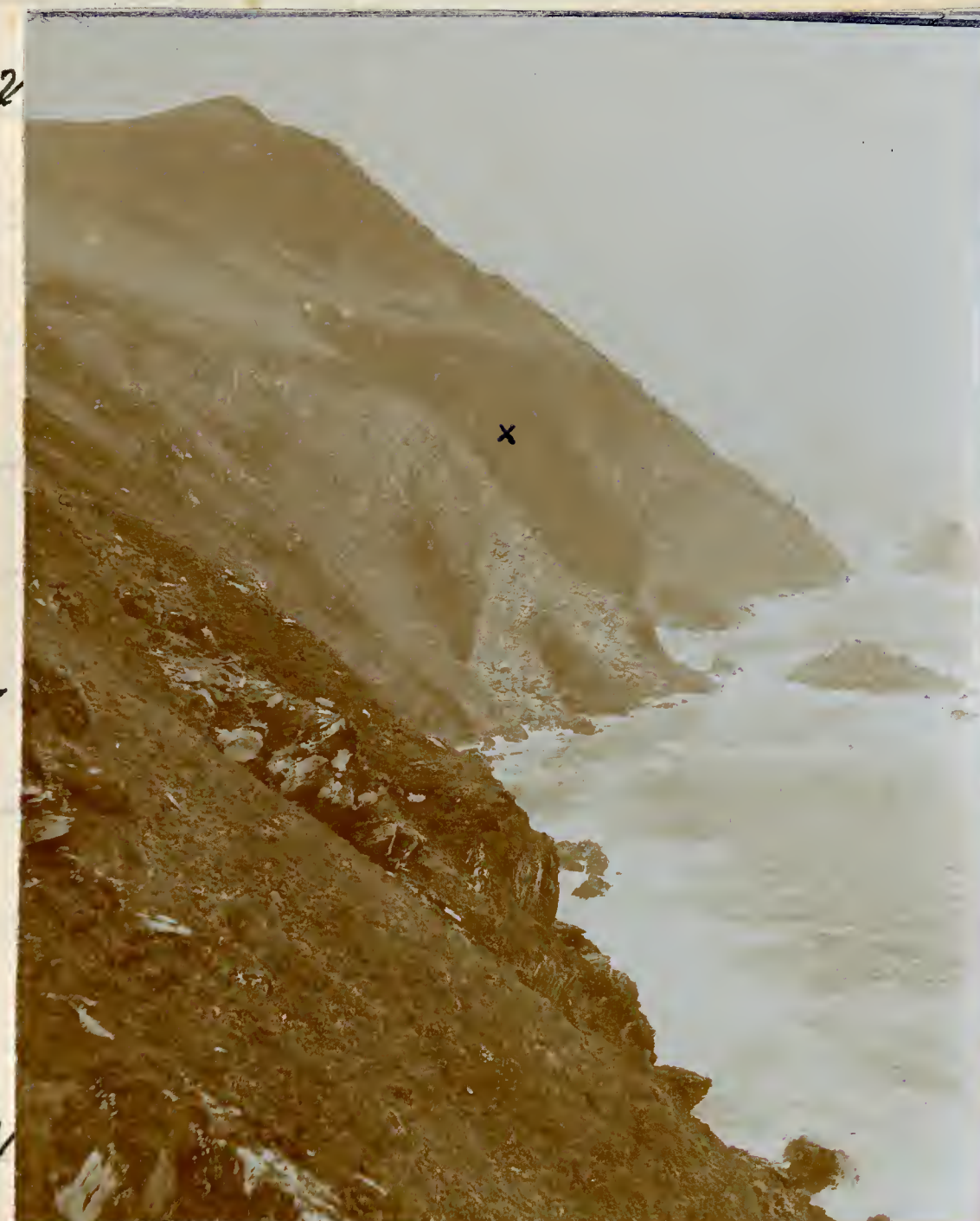
Map of Gt. Blasket.

Foilbeg

*Cornus*  
*cornifolia*

Trilane

Garran  
St.



North cliffs of Gt. Blasket.  
Twilight - distance.



St. Blasket  
S.E. Cliffs continued.

*Limax maximus* A very fine specimen on the rocky slope  $\frac{1}{2}$  mile from harbour. The first specim I have ever taken in "the west" which was clear of nature. It was pale in colour with spots not stripes.

West End 1., High Ground 2, Signal Tower 750 feet alt. 3, South Cliffs 4. 14.6.12

*Agrio. apertis* 1-4.  
*Limax c. niger* 4. Similar to that on p. 116.  
" *arbutum* 1, 2 + 4.  
*Vitrina pellucida* 3. Dead shell only.  
*Hyalina alluvina* 1-4.  
" *nitidula* 2. Rare.  
" *crystallina* 2 + 3.  
*Sph. edentulum* 2.  
*Helix rotundata* 1-4.  
" *venusta* 1-4.

*Carychium minus* 4.

*Coch. lubrica* 1-4.

*Pupa cylindrica* 1-4.

In the southern gullies. 15.6.12.

*Limax arbutum*

*Agrio. apertis*

*Arion ater*

" *subfuscus*

" *intermedium*

*Hyalina cellaria* Large & dead.

" *alluvina*

" *crystallina*

*Helix rotundata*

" *venusta*

*Coch. lubrica*.

*Carychium minus*

*Pupa cylindrica*

*Clavus bidentatus*



## St. Blasket

In deposit on cliffs above sands.

*Helix itala*

15.6.12.

*" intermixta**" nemoralis**" aspersa.**" barbara.**Pupa cylindrica**Cost. lubrica**Hyalina cellaria*

} None of any great age but  
up to four or five feet thick  
in some places.

North west cliff &amp; gully. 16.6.12

*Agrio. apertus**Arion ater**" intermedius**Hyalina cellaria**" alliarum**" nitidula**" pura.**" radiatula**" crystallina**" pubra.*

Very abundant in some places.

*Helix stans*

Nearly all pale, some nearly white.

*" nemoralis*

Some large shells in the sheltered parts of the cliffs.

*Cost. lubrica*Also *Vallonia eximialis* A.W.S. 1924. a specimen  
See p. 117 ante!*Argyria**Chamaea bidentata**Pupa argyria**" cylindrica**Lemna truncatula*In millions on the wet rocks below the  
only spring in the big gully (Foilbeg.)  
evidently feeding on the alga*Cladophora crispata* (Roth.) Kütz. (?)  
named by W. West.

}  
Lytle Head on  
Dingle Peninsula &

Craghmore, 98 ft

N.W. cliffs

St. Blasket.





Beginish (Little Blasket) South Kerry  
A.C.S. 15.6.11.

- Agria apertus*  
*Milax jagata* Very abundant around N. + W. coasts.  
*Anion ater*  
 " *suffusus*  
 " *intermedius*  
*Vitula pellucida* One dead shell on N. coast.  
*Hyalina allicia*  
*Helix rotundata*  
 " *pulchella* West cliffs.  
 " *intertexta* West cliffs.  
 " *aspera* Millions round old house.  
*Laurilia fidulata* N. cliffs rare except in one place.

Dungannon to Ventry, S. Kerry (mainland) A.C.S.

- Limnaea artem*  
*Anion ater*  
*Helix aspersa*  
 " *remorata*  
 " *virgata*
113. It was a very wet day & yet  
 there was no trace of *Geomacrus*  
 along the old road over the hill.

Gulleris and Kilmalkedar, S. Kerry  
A.C.S. 18.6.12.

- Limnaea artem*  
*Anion ater*  
*Hyalina allicia*  
*Helix remorata* Very large along main road to K. from Dingle.  
 one specimen 27 --- in diameter x.  
 " *aspera*

Walked up to Connor Hill from Dingle, round  
 L. Doon, next lake, L. Camclea & L. Adoon.  
 A.C.S. 19.6.12

- Anion ater* up to 1750 feet.  
*Anagallis flaviventris* In Lough Doon & next lake  
*Pisidium* In lake next L. Doon. (364)

All lakes in flood & unworkable.  
 Ditto cliffs &c.



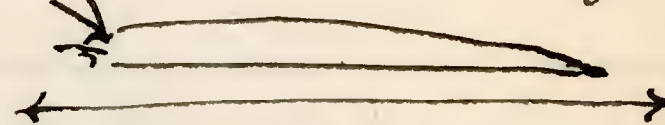
Walked up Coonaknock to Summit of Brandon  
Mt., & home via Pierasmore, Masation par,  
& Pine Creek to Clapham. Aug. 20-6-12.

*Arion ater*  
" *suffusus*  
*Living arborum*

In millions to summit - 3,127 feet  
at about 2,300 feet

Up to summit

What appeared to be L. c. niger juveniles  
common up to summit. This may  
have been the slug I recorded in  
Proceedings R. I. A. XXIX (B) 75. 1911.

as Milax gajati but I cannot  
tell till I examine the animal  
which I have in spirit. If it  
is L. c. niger it is strange that  
all the specimens I saw the day  
were the same size   
& that no full grown ones were seen  
although in the Baskets I only saw  
full grown examples of this color.

Could it be "*L. arborum* var *niger*" of  
O. F. Schaff? See I. N. VIII, 214.

Upon the occasion of  
 Sept. 19th I sent some of these  
 to J. S. Baggett. He later found no difference  
 in their anatomy & W. D. Baggett named  
 them imperialis. A. W. S.

No work done 21.6.12. Rained all day.

Rough Napierka 1, Castlegrey Sandhills 2,  
Stradbally Marsh 3, Near Fermoy Ho 4.  
S. Kerry. A.S. 22-6-12.

*Agrio. apert.* 3, 4.

" Caeni. 3.

*Limnaea stagnalis*. 4.

*Arion ater* 3, 4

4. *subsp. nov.* 4.

*Vitruina pellucida* # 2.

*Hyalina cellaria* 4.

" radiatula 3.

" *crystallina* 3.

" Julia. 3.

*J. nitida* 3.

Helix puzosa 3,4.

11 *rotundata* 3, 4.

" *granulata* 3.

" *reflexum* 4.



## Castlegregory - Clophane continued

<i>Helix pulchella</i>	3, 4
" <i>costata</i>	4.
" <i>itala</i>	1, 2, 3,
" <i>intuscuta</i>	3.
" <i>virgata</i>	1 Very local & only seen at one spot 1/4 mile west of L. Naparuka. Probably common out at the point & on the maghorees.
" <i>nemorali</i>	Fine runs on sandhills at 2. 1, 2, 3, 4.
" <i>aspera</i>	2, 3, 4.
<i>Coch. lubrica</i>	3, 4.
<i>Carychin mini</i>	3, 4.
<i>Clausilia lidentata</i>	4.
<i>Limnæa peregr</i>	1, 3, 4.
" <i>truncatula</i>	1, 3.
<i>Succinea pfeifferi</i>	1, 3.
<i>Planorbis spinosus</i>	3.
" <i>fontanus</i>	3.
" <i>glaber</i>	1. One dead shell in L. Naparuka.
" <i>crista</i>	
<i>Pal. jenkinsi</i>	L. Long's fill.
" <i>stephensi</i> ?	4.

*Sphaerium cornu* 3.*Psidium*

"

"

365

*Vertigo pygmaea* 3, 4.*" antevortigo* 3.*" angustior* 4. One under a stone on fringe of sand*Cypræa cylindrica* 4.*" anglica* 3.Shore from Clophane<sup>①</sup> to Brandon<sup>②</sup>, S. Kerry.  
and S. 23. 6. 12.*Limnaea arvensis* 1.*" maximo* 1. In lane 1/4<sup>mile</sup> from Clophane.*Agriol. apertus**Arion ater**" subfuscus**Hyalina radiatula**Helix rotundata**" hispida**" itala**" intuscuta*



Cloghane - Brandon continued

*Helix nemoralis*. 1. 2  
 " *aspersa*. 1. 2  
*Coch. lubrica*. 1. 2  
*Pupa cythraea* 1.  
*Clausilia pidentata* 1.  
*Vertigo pygmaea* 1.

Continued on 24. 6. 12.

*Pupa muscorum* In deposit on cliffs & alpine on Lady's Mt.  
*Helix pulchella* Lady's Island  
*Limnaea puzosii* 1.  
*Helix pygmaea* Near R. I. C. Barracks 1.

In deposit on mainland opposite  
 Lady's Island

*Hyalina radiatula*. One typical recent (?) specimen.

*Helix pulchella*  
 " *itala*  
 " *intersecta*  
*Coch. lubrica*  
*Pupa muscorum*

And also several  
 species of shells  
*Neritina*, *Rissoia*, *Cerithium*,  
*Littorina*.

On Lady's Island (Inner, 1, & outer, 2,) 2 miles north  
 of Cloghane. S. Kerry. Aug. 24. 6. 11.

*Helix italica* 1 + 2  
 " *intersecta* Dead on 2.  
 " *pulchella* 1.  
*Pupa cythraea* 1 + 2.  
 " *muscorum* 1 + 2.  
*Coch. lubrica* 2.

Lady's island is a pair of  
 small grass covered rocks  
 with blown sand &  
 some interesting plants <sup>*Arabis thymifolia*</sup>  
 Its connection with the  
 mainland - now limited  
 to low-water period -  
 appears to have been  
 recent

On walls near Castlegrory Rg. Station, S. Kerry  
 Aug. 25. 6. 12.

*Arion ater*  
*Hyalina albiaria*  
 " *crystallina*  
*Helix nemoralis*  
 " *aspersa*.  
*Pupa cythraea*  
*Balea ferruginea*.



## North of Mallow, East Cork.

Aug. 25. 6. 12.

*Lima maximus*.*Milax sovatzii*." *gajates*.*Arion ater*" *rufescens*" *hortensis**Hyalina lucida*" *cellaria**Helix rotundata*" *liripida*" *rustica*" *rufescens*" *nemorata*" *aspera*." *pulex*.*Coch. lubrica**Carychium**Clausilia pidentata*

Very bright orange colour.

Common on wall alongside railway 1½ out-  
of town + on bridge over branch line  
on old road ½ mile out of town.Several of these were also  
taken in Mid Cork across  
railway & also  
*Arion circumscriptus**Pupa cylindrica**Succinea putris*" *psidippi**Succinea peregrina*" *truncatula**Planorbis contorta**Physa putrida*

Mallow Castle, East Cork. Aug. 26. 6. 12.

*Agriol. aperta**Arion ater**Lima ater**Hyalina cellaria*" *cellaria**Helix rotundata*" *liripida*" *rufescens*" *nemorata*" *aspera**Coch. lubrica**Clausilia pidentata*

Up back hill.

& *Pupa cylindrica*.



B. N. F. C. Long Excursion 1912.

Clogher Head<sup>②</sup> + Termonee<sup>①</sup>, Lond.  
 Aug. 12. 7. 12.

*Agris. apertus*  
*Limax arboreus* 2.  
 " *maximus* 2.

*Milax sowerbyi*

*Arion ater*

" *suffusus*

" *circumscriptus*

*Hydrobia cellana*

" *nitidula*

" *crystallina*

*Helix rotundata*

" *hispida* 2

" *rufescens* 1

" *aspera*

" *nemorali* In thousands on the cliffs of Clogher Head.

*Coel. bistrata*

*Clausilia bistrata*

*Pupa cylindrica*

Note *Helix perversa* occurs from  
 Ballyvaughan to near Clogher  
 Head but time did not  
 permit a visit to the  
 fringe of sand-dunes.

Near Drogheda, Lond.

Aug. 12-15, July 1912.

*Agris. apertus*

*Arion ater*

" *suffusus*

*Hydrobia cellana*

" *nitidula*

" *radiatula*

" *crystallina*

*Helix rotundata*

" *virgata*

" *intersecta*

" *rufescens*

" *hispida*

" *nemorali*

" *aspera*

*Coel. bistrata*

*Clausilia bistrata*

*Pupa cylindrica*

*Succinea putris*

[*fluviatilis* on north side of River at Drogheda]

*Paludicola jenkinsi*.



Byrne Valley + Bean Park<sup>c</sup> from  
Glane to Bean Park<sup>c</sup>. Meath.  
Aug. 13. 7. 12

*Agria agrestis*

*Limax maximus*

*Milax sordidus* In garden at Bean Park<sup>c</sup>

*Vitrea pellucida* Dead.

*Hyalina cellaria*

" *alluvina*

" *nitidula*

" *pura*.

" *radiatula*

" *crystallina*

*Helix retundata*

" *livida*

" *rufescens*

" *hortensis* In garden at Bean Park.

" *nebulosa* Near Skomberg's house opposite obelisk

" *aspera*.

*Coch. lubrica*

*Carychium minimum*

*Chamaea hirsuta*

*Cypripedium*

Temple demesne, Collon; South  
Aug. 14. 7. 12.

Collected in woods at left hand side of entrance  
at Collon. The oak in the wood is possibly  
native, but all else is planted. I saw here  
Spruce, Scotch Fir, Beech, Laurel, Sycamore.

*Arion intermedius*

*Vitrea lividula*

*Hyalina alluvina*

" *nitidula*

" *pura*.

" *crystallina*

All associated under dead leaves  
& twigs with the mosses.

(never got the names! A.W.S.)

(named by Rev. Canon Lett).

Opposite Mellifont Abbey, Meath.  
Aug. 14. 7. 12.

*Vitrea lividula*

On bank of Mattock River  
opposite the abbey. Several young  
alive & dead shells.



Kells, Meath. Aug. 15. 7. 12

*Apis. apertus*

*Arion ater*

" *rufescens*

" *hortensis*

" *intermedius*

" *circumscripta*

*Hyalina cellaria*

" *alliana*

" *crystallina*

*Helix retundata*

" *lispida*

" *rufescens*

" *rufescens*

on St. Columbkille's House & on  
grave stones in church-yard,  
on Carboniferous shale.

In graveyard.

" *hortensis*

" *remorali*

" *aspera*

*Coch. lubrica*

*Clavus fidentis*

*Pupa cylindrica*

Rosin Blackwater near Kells, Meath.  
Aug. 15. 7. 12

*Lemna stagnalis*

*Succinea putris*

" *fluffii*

*Physa putris*

*Planorbis albus*

" *contorta*

" *carinata*

*Valvata piscinalis*

Slernish & the old church of Skerry near  
Broughshane, Antrim, Aug. 18. 7. 12

1 Slernish. 2. Skerry Ch.

*Apis. apertus* 1.

*Arion ater* 1 + 2.

" *intermedius* 1

*Hyalina alliana* 1 + 2.

" *nitidula* 1 + 2

*Helix retundata* 2.

" *lispida* 1 + 2.

" *hortensis* About 8 specimens alive & some dead shells

(all types, 12345)



Flemish & Sherry Ch. continued  
*H. hortensis* cont. inside the old church (2). This  
 verifies the only Antvian record  
 of "Flemish". See B.N.F.C. Proceedings  
 vol. series, p. 19.

See also  
 Irish Nat. Hist. 1907.  
 Vol. 251, page 49  
 ante.

*H. nemoralis* 1.

*Coch. lubrica* 1.

*Clavistia fidentata* 2.

*Pupa cylindrica* 2.

*Limnaea peregrina*. In small streams or rivulets on the  
 north slope of Flemish at about  
 800 feet alt. Also in old flax-  
 dam below Sherry Ch.

Collected on the inlet of rock which is  
 to be reached at low tide opposite Woturn,  
 near Millside, Down. A.S. Aug. 1912.

*Pupa muscorum* In thousands. Never seen on the "mainland".

*Vertigo pygmaea* One specimen.

Collected on Craiglowey islet off Killard Pt.  
 Down - A.S. & R.W. 27.8.12.  
 The vegetation appeared to have been burnt during 1911.

*Vitrea pellucida*

Common alive.

*Helix nemoralis*

Dead shells only.

" *fastuosa*

One alive (R.W.) many dead.

*Pupa muscorum*

Spawning alive.

" *cylindrica*

Rather commoner than *P. muscorum*. Alive.

Clon Glen (upper), Belfast Hills, Antvian.  
 A.S. & H. Overton. 31.8.12.

*Agriol. agrestis*

*Limax arboreus*

*Arion ater*

" *suffusus*

" *hortensis*

" *circumscriptus*

*Vitrea pellucida*

*Hyalina nitidula*

" *pura*

" *crystallina*

" *fulva*



## Colic Glen continued

*Sph. edentata**Helix retundata*" *hispida*" *fusca*" *neurobi*" *arbutum*" *lanceolata**Coch. lubrica**Carychium minus**Clausilia bidentata**Pupa anglica*" *cylindracea**Limnaea truncatula**Acicula lineata*

Very young only

Carris Glen, Belfast Hill, Antin.  
and H. Orenta. 4. 9. 12.*Agrio. aperi**Anon ater*" *suffusa*" *intermedia**H. circumscripta**Vitruvia pallucida**Hyalina cellaria*" *albiana*" *nitidula*" *fusca*" *radiatula*" *crystallina*" *fulva**Helix retundata*" *lanceolata*" *neurobi*" *arbutum*" *hispida**Sphyradina edentata*

Dead only.

*Coch. lubrica**Carychium minus**Clausilia bidentata**Pupa anglica**Carychium floricollis*



Under stone at high-water, Grey Abbey  
Down. Aug. 8-9. 12.

*Clavella fidetata*

*Helix rotundata*

*Pal. stagnalis* In tidal area.

Rossmore Castle demesne, Monaghan.  
Aug. 14. 9. 12.

*Tentacella* sp.? Two young specimens in Palm House in  
garden probably *T. laticauda*.  
Introduced with plants. No doubt.

*Agrio. apertus*

*Arion ater*

" *suffusus*

" *hortensis*

*Vitrina pellucida*

*Hyalina cellaria*

" *alluvia*

" *nitidula*

" *radiatula*

" *crystallina*

" *pulchra*?

Of some in garden.

*Oph. edentulum*

*Helix rotundata*

" *lamellata*

" *hispida*

*Coel. lubrica*

*Carychium* min.

*Clavella fidetata*

*Balanus peruviana*

*Purpura anglica*

" *cylindrica*

*Lemnaea palustris*

*Bitt. tentaculata*

*Sphaerium corneum*

*Pisidium* sp.

In glen behind Louse. First record for  
Monaghan.

an interesting form.

*Vert. pygmaea*

On skin-bush (*Melospiza carolinensis*) R. Welch.

N.B. I had no time to work the  
freshwater habitats, nor the  
glen near the Mausoleum.

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missed.



Drumbo Glen, Belfort, Down  
and 21.9.12

*Limex cinere-niger* Two dark specimens referable to var.  
One feeding on the fungus *Agaricus*  
*fragilior*. First record for Down.

named by, Canon H.W. Bell.

*Aprio. apertus*  
*Anion ater*

" *suffusum*.  
" *hortensis*

" *circumscriptus*  
*Hyalina cellaria*  
" *alliana*

" *nitidula*  
" *pura*.

" *crystallina*.  
" *fulva*.

*Helix rotundata*

" *lamellata*  
" *hispida*

*Coch. lubrica*

*Carychium minus*

*Clausilia plicatula*

*Pupa anglica*.

*Limnaea truncatula*  
*Anemone phaeostictis*  
*Acicula lineata* not

700-1150 feet alt. on the northern escarpment  
of Benbulbin, Derry. and 22.9.12.

*Aprio. apertus* All brown form.  
*Anion ater*

" *suffusum* Very dark in colour.

" *intermedium*

" *circumscriptus*

*Vitrea pellucida*

*Hyalina alliana* All types. Very common.

" *nitidula*

" *pura*.

" *crystallina*

" *fulva*.

*Helix rotundata*

" *hispida*

" *purpurea*.

" *remorata*

*Clausilia plicatula*

*Balea perrona*

*Pupa ybichracea*

*Acicula lineata*

No *Cochlicopa* seen.  
*Carychium* see p. 157.



Cliffs of  
Benbulbin.  
D. W. S.



Howra House (= Corry's Glen), Hillsborough,  
Co. Down. A.V.S. 12-10-12.

*Limax arboreus*.

*Agriol. agrestis*.

*Arion ater*.

" *hortensis*

" *circumscriptus*

*Vitrina pellucida*

*Hyalina cellaria*

In old house only & not seen in glen  
... ? native.

" *alliarum*.

" *nitidula*.

" *pura*.

" *radiatula*.

" *crystallina*.

" *fulva*.

*Helix stans*

" *lanellata*

common.

" *renovata*.

*Coch. lubrica*.

*Carychium minimum*

*Clausilia subcostata*

The specimen dead.

*Pupa cylindracea*

No. *Helix hispida* seen

Beech trees at Edenderry Gate, Shaw's Bridge,  
Down. 26-10-12.

*Limax arboreus*

Fine large pale coloured specimen  
on trunks at 10.30 p.m. after  
rain.

At 1400 feet on the east cliff of Agnes's Hill,  
Larne, Antrim. A.S. 3-11-12.

*Agriol. agrestis*.

*Arion ater*.

See III, 175.

*Vitrina pellucida*.

*Helix renovata*. Dead shells, large, 00300 umbella.

Leroneys Glen, Drumbo, Down.  
A.V.S. 2-11-12

*Hyalina radiatula*.

*Acicula lineata*.

} 2 golden Pimplae on south bank  
of stream near middle of  
glen.



Struell, near Downpatrick,  
Down. A. V. S. 26-12-12.

*Agrio. agrestis*  
*Arion ater*.  
" *circumscriptus*  
*Hyalina cellaria*  
" *alliana*  
" *nitidula*.  
" *crystallina*  
*Helix rotundata*  
" *hispidula*  
" *aspera*.  
*Coch. lubrica*.  
*Clausilia bidentata*

All in ruins of buildings  
near the famous  
Wells of Struell.

Crow Glen, Ballyart Hill, Antrim  
A. V. S. 1-1-13.

*Agrio. agrestis*.  
*Arion ater*.  
" *subfuscus*.  
" *intermedius*.  
" *hortensis*.  
" *circumscriptus*.

*Vitrea pellucida*.  
*Hyalina alliana*.  
" *nitidula*.  
" *radiatula*.  
" *pura*.  
" *crystallina*.

*Punctum pygmaeum*  
*Helix rotundata*  
" *hispidula*  
" *remorata*  
" *arbutorum*  
*Coch. lubrica*.  
*Clausilia bidentata*  
*Pupa cylindrica*

*Limnaea peregrina*  
*Anagallis flaviventris*  
*Ovicula ~~rotundata~~ ?*  
*personatum*  
*sp?*

on moor above water fall.  
Specimen above 800 feet alt.

The following were taken  
*Arion ater*  
*Agrio. agrestis*  
*Hyalina alliana*  
*pura*  
*crystallina*  
*Punctum pygmaeum*  
*Helix rotundata*  
*remorata*

I will save.

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Upper Colim flm, Belfort Hills,  
Antina. A.V.S. 22-1-13.

*Agrio. agrestis.*

*Anin ater.*

" *subpiscum.*

" *hortensis.*

*Vithina pellucida*

*Hyalina nitidula*

" *pura.*

" *crystallina*

*Helix rotundata*

" *hispidula*

" *actustoma*

" *neurastis.*

*Coch. cubica.*

*Clausilia bidentata*

Very wet day  
& I did not  
collect

Young, on south side of river.

*Agrio. agrestis.*

*Linax maximus*

*Hyalina pura.*

*Helix rotundata*

" *hispidula*

Dumbo flm, Down. A.V.S. 8-2-13

Several

the young specimens in dead tree.

& *Clausilia bidentata.*

Upper Colim flm, Belfort Hills, Antina.  
A.V.S. 20-2-13.

*Agrio. agrestis.*

" *laeris*

Very common on this day.

*Anin ater*

all young.

" *subpiscum.*

" *hortensis.*

" *circumscripta.*

*Vithina pellucida.*

Many already dead.

*Hyalina allium*

" *nitidula*

" *pura.*

" *crystallina*

Very fine.

*Helix rotundata*

" *hispidula*

" *pura.*

*Carychium*

*Clausilia bidentata*

Was not looking for shells



Roadside near Dundoheld on old road  
to Newtownards. Down - A.S. 23-2-13.

*Agrio-areolaris*  
*Arim subfusus* Very  
" *hortensis*.  
" *circumscripta*  
*Vitruvia pellucida*  
*Hyalina allian* Very dark brown shell.  
" *nitidula*  
" *crystallina*  
*Helix rotundata*  
" *hiipida*  
" *nervosa*  
*Coch. lubrica*  
*Pupa cylindrica*  
*Clavella bidentata*

Drumbo Glen, in ruin of cottage 100 yards below fall.

Down A.S. 1-3-13.

*Lime arborum?* Very. *Arim ater*, *Hyalina cellaria*.  
*H. crystallina*, *Helix rotundata*, *H. hiipida*,  
*Coch. lubrica*, *Clavella bidentata*, *Pupa cylindrica*  
and *Ancula lineata*. The last species was common under  
large rock stones with the woodlouse *Haplophthalma margin*.

Lerocro Glen, Drumbo. A.S. 8-3-13.  
Down.

Near bottom of glen, dry bank facing south  
from 2:6" to 8:0" above stream level.

*Arim subfusus* Very grey.

*Vitruvia pellucida*

*Hyalina allian*

" *pura*.

" *crystallina*

*Coch. lubrica*.

*Pupa cylindrica*.

These shells were associated with the woodlouse

*Philoscia mucron* + *Trichoniscus pusillus*  
and with the following plants in  
order of frequency: —

*Fragaria vesicularis*, *Corylus avellana*,

*Urtica aquifolia*, *Hypnum splendens*,

+ two other species of moss,

*Stellaria holostea*, *Lilla nantensis*,

*Digitaria purpurea*, *Orchis mascula*,

*Taraxacum dens-laevis*, *Panemula ficiaria*

*Athyrium filix-femina*, *Viola* sp.,

*Senecio jacobaea* seedlings, and.

*Oxalis acetosella*, *Carantia* sp.,



Leridge Glen, Dumfries, continued.

Same habitat but from water level  
to 2-6' above water.

*Agris. laevis.*

" *agrestis.*

*Vitrina pellucida*

*Arion rufipes.*

*Hyalina alba.*

With the woodlice *Trichoniscus pusillus.*

common and *Porcellio scaber*, rare,

and the following plants:—

*Fragaria vesca* and the 2 mosses  
for first association,

*Cardamine hirsuta*, *Ranunculus ficaria*,

*Anemone nemorosa*, *Taraxacum dens-lewis*,

two species of Umbelliferae,

*Scilla nutans*, *Arum maculatum*,

*Oxalis acetosella*, *Rumex* sp.,

*Rubus* sp., *Rosa canina*

and a grass.

Eagle Rock, Glen Donard,  
and Donard Lodge, Woods, Newcastle,  
Dumfries. A. U. S. 9-3-13.

*Agris. agrestis*

500ft.

*Arion ater*

1,750ft.

var. *brunneus*.

500ft.

" *hortensis*

"

*Limax ater*

600ft.

var. *niger* (?)

1,750ft.

Too strong in  
to do any work.

The usual small alpine fauna  
but not quite fresh.

*Hyalina alba*

600ft.

" *crystallina*

500ft.

*Helix rotundata*

600ft.



## EASTER TRIP 1913.

TOE Valley. LONDONDERRY.  
A.W.S.

Keady Hill, Limerady, 21-3-13.

*Agris. agrestis**Hyalonia pura**Helix rotundata**" hispidata**" nemoralis**Clavistia fidentata**Linnaea punctatula**Psidium* sp.?

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all near chalk quarries  
at 600-700 ft. alt.

Bank of River Roe at Limerady.

22-3-13.

*Agris. agrestis**Milax fagata**Arion hortensis**" suffusus**Helix rufescens*Var. rara.all perhaps derived  
from rubbish thrown  
out of town.a typical rubbish heap  
association.

Tin cans dominant.

Benevenagh, 22-3-13.

I. Tamlaght Church.

II. " Woods, 25 ft alt.

III. Cliffs, 1000-1100 ft. alt.

IV. Lakelut, 25 ft alt.

*Agris. agrestis* 1, 2, 3.*Milax fagata* 1.*Arion ater* 1, 2, 3.*" suffusus* 1. ~~rara~~*" hortensis* 1 & 2.*" circumscripta* 3.*" intermedius* 3.*Vitrea pellucida* 3.*Hyalonia cellaria* 1.*" alluvia* 1, 2, & 3.*" nitidula* 3.*" pura* 2.*" crystallina* 2.*Sph. edentula* 2.*Helix rotundata* 1, 2, 3.*" hispidata* 1, 2, 3.*" nemoralis* 1, 2, 3.*Carychium minutum* 2.also *Coch. lubrica* at 3.  
on B.N.F.C. 13 May 13  
at 4.  
at 13

also.

*Pupa glidraeca*, 1, 2, 3.*Clavistia fidentata*, 1, 2, 3.*Linnaea peregrina*, 1 & 4.*Planorbis contortus*, 4.(368A) *Psidium persicatum* 4  
under this date in coll.  
but? taken on 13/5/22.  
not separately in 1924 &  
numbered 368A



Dunjiven Abbey + bank of river  
 Row below same. <sup>13</sup> Oct. 23-3-17

*Limonax maximus*

Pale 'native' form.

" *arbutum*.

*Agrio. agrestis*

Very common

*Arion ater*.

" *hortensis*.

In graveyard only, one specimen seen.

" *suffusus*

" *intermedius*

" *circumscriptus*

*Vitula pellucida*.

*Hydra cellaria*.

" *nitidula*.

" *pura*.

" *crystallina*

" *fulva*.

Two specimens (P. Welch.)

*Helix rotundata*

" *hippida*

" *arbutum*

In graveyard + on bank of river.

" *nemorali*

*Pupa cylindrica*

*Clavicornia pidentata*

*Coch. lubrica*

*Corythium minus*

In fields below same abbey on  
 afternoon of <sup>same</sup> day, i.e. 23-3-17.

*Hydra allia*

" *radiata*

*Vertigo pygmaea*.

*Planorbis spiralis*

*Planorbis* sp.

369

Benbradagh, Dunjiven.

*Agrio. agrestis*. To 1400ft. alt. <sup>13</sup> Oct. 23-3-17.

" *laevi*. 450ft. In glen in Trias below cliffs.

*Limonax arbutum*, 1400ft.

*Arion ater*. 1400ft.

" *suffusus*. 600ft.

" *hortensis* 1200ft. in chalk quarry.

" *circumscriptus* 1200ft.

*Hydra allia* 450ft. In glen.

" *nitidula* 450ft.

" *pura*. 450ft.?

" *crystallina* 1200ft.

" *fulva*. 450ft. In glen.

*Helix rotundata* 1200ft.

" *hippida* 1200ft.

" *nemorali* 450ft.

*Pupa cylindrica* + *Coch. lubrica*. 1200ft. + 450ft. respectively.

Also *Planorbis*  
 probably taken in marsh by stream  
 with *Agrio. laevi*. (369A.)



Banagher Glen, 4 miles south  
of Dugjivan. A.D. 24-3.13.  
Common.

*Linum catharticum*

" *arvense*.

*Agrostis alba*.

" *canadensis*.

P. Vetch.

*Agrimonia eupatoria*.

Colour rare.

" *suffruticosa*.

" *hortensis*.

Very common.

" *circumscripta*.

*Vitruina pellucida*.

*Hyalina cellaria*.

" *allianii*.

" *nitidula*.

" *pura*.

" *radistula*.

P. Vetch.

" *crystallina*.

" *fulva*.

*Panthera tigris*.

*Ph. edentula*.

*Helix rotundata*.

" *hispida*.

A fine dark green on primitive  
limestone by ford over  
Queen's Hill Carnation.

*Helix fusca*.

" *camellata*.

" *rennala*.

" *arbutum* Abundant on limestone at  
ford over Queen's Hill.

*Coch. lubrica*.

*Corydalis minor*.

*Clavaria pectinata*.

*Paspalum anglicum*.

" *cylindricum*.

*Acicula lineata*.

In garden of hotel at Dugjivan.

*Linum flavum*. ? Introduced.



Benady Glen, River Roe, A.D.  
25-3-13.

*Limey arbus*

" *maxima*.

*Aprio. aprie*

" *laevis*.

*Arion ater*

" *suffusus*

" *intermedius*

" *circumscriptus*

*Vitrea pellucida*

*Hypsin cellaria*

" *alluvina*

V. rare.

" *nitidula*

" *pumila*.

" *radiatula*

" *pulsa*.

*Curat. pygmaea*

*Styl. chertulum*

*Helix stansdote*

" *hispida*

" *lamellata*

On bank of river 1/2 mile above  
Tannian Bridge, in scrub.

No. *Arion hortensis* on the  
day.

*Helix arbutus* Very common in scrub of river  
above Tannian Bridge on  
damp slope of glacial  
lake deposit.

" *hemorali*

*Coch. lubrica*

*Carychium mini*

*Clavus dentatus*

*Bolus pumila* on stone wall of main road to  
Belfast 3/4 mile east of R.C. Chapel.

*Acicula lineata* Tannian Bridge + east  
of Linnahilly.

*Vertigo substriata* In both localities with *A. lineata*.

*Pupa glidum*

" *anglica* Linnahilly

*Limnaea pumila*

" *pulchra*

" *truncatula*

*Pisidium* sp.

} In field at Tannian Br.

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End of list Trip



Skerryherry between Larne  
& Ballymena, Antrim. A.S.

30-3-13.

D 20 → I

On Skerryherry at 900-1000 ft.

T 29 → II

By river in Glenwherry.

Agris. apertus

1 + 2.

Aris. hortensis

In fields above river.

" circumscripta

2.

Vitrina pellucida

2.

Hyalin. albidus

(?) 2.

" fusca

1 + 2.

" crystallina

1 + 2.

" fulva.

2.

Sph. edentula

2.

Helix rotundata

1 + 2.

" fusca

1 + 2. Common on west side of hill.

near plant of Antrostaphylos Uva-ursi.

Coch. lubrica

2.

Carych. minutus

2.

Clausilia bidentata

2.

Pupa of Hyalin.

2.

Bottom of Rye Glen, below Hightown  
Larne, AN. A.S. 30-3-13.

Agris. apertus

Aris. circumscripta

Hyalin. cellarius

" nitidula Dead.

" fusca.

" crystallina

" fulva.

Helix rotundata

" hispida

" fusca ? young.

" arborea several dead shells.

" nemoralis Dead.

Coch. lubrica

Clausilia bidentata

Angulus fluviatilis

Plantation Port, Kintore, AN.  
A.S. 12-4-13.

Agris. apertus

" laevis

Lima. nasuta V. common.

" arborea



## Plantation Post, continued.

*Milax sagittata**Arim ater*Var aterrima & bicolor." subfusca." intermedia" circumspecta*Vitonia pellucida**Hypoleia cellana*" alliana" nitidula" purca." crystallina*Spil-edentata**Helio retundata*" hippida" pusca." neuraria" arbutum" aspera

1 Dead

" itala

Dead.

*Anth. lupina**Corythia vivida**Clematis Fidentata**Acicula lineata*  
also occurs here.Also *Papa glidum*  
& *Balea purpurea*.

## Toor Head to Murlough Bay

AN. a.S. &amp; R.W. 13-4-13.

I Toor Glen.

II Cliffs.

III Murlough Bay.

*Agrio. agrestis* 1, 2, 3." laevis 1.*Limon. marum* 1 + 2." arbutum 2.*Arim ater* 1, 2, 3. Var. humana 2." subfusca 1, 2, 3." intermedia 1 + 2. Mostly the grey form." hortum V. rare at I, common at III." circumspecta 1, 2, 3.*Vitonia pellucida* 1, 2, 3.*Hypoleia cellana* 1, 2, 3. Large 'native' form." alliana 1, 2, 3." nitidula 1, 2, 3. Along of var. helmi at I." pusca 1, 2, 3." radiatula 1 + 2." crystallina 1, 2, 3." fulva 1 + 2.*Spil-edentata* 1.



## Toor to Murlough continued.

*Helix rotundata* 1, 2, 3.*" hispida* 1, 2, 3.*" arbustorum* 1 + 3.*" nemoralis* 1, 2, 3.*Coch. lubrica* 1, 2, 3.*Carych. minor* 1, 2, 3.*Clamili. bidentata* 1, 2, 3.*Bulca peruviana* 3.*Acicula lineata* 1 + 2.

## B. N. F. C. 50th Anniversary.

Giants' Ring. DO. 15th May.

Nothing collected but common stuff.

Newcastle + Flein Demand. DO. 12th May

Only remarkable things taken were

*Anion ater* var. *atenuis**" rufescens* " *griseo-fusca**Limex arborea* " *niger*up to  
2500ft.

Beneringh, L.D. 13th May.  
 Nothing but what may be found on  
 p. 157, except *Cochleospa lubrica*  
 on cliffs (rare) + *Puridina* sp. in lakelet  
 at 250ft.

(371)

Giants' Causeway, AN. 14th May.

No addition to list of shells taken  
 on 1911 (see vol. II p. ) except  
*Vertigo angustior* 1 specimen alive + 1 dead  
 under log in Port waffer.

River Bush at Training Bridge, 14-5-13.

*Limex purpur**P. albus*.*" contortus**Bith. tentaculata**Valvata piscinalis**unmistakable**Puridina milium* " though*" subtruncata*?

No *Planorbis* seen  
 + *P. latissima* 1898.  
*P. carinata* seen  
 here - July

*P. albus* was seen  
 but mistaken for  
*Val. cristata*  
 A.W.S.

(372)



Port Braddon end of Whitepark Bay,  
AN. Ant. 15-5-13.

*Agrius agrestis*.  
*Arion hortensis* Rare.  
" *intermedius*

" *circumscriptus*

*Vitruia pallidula*

*Hyalin cellaria*

" *allian*

" *pura*

" *radiatus*

" *nitidula* H. S. M.

" *crystallina*

" *pulra*

*Spk. edentata*

*Helix reticulata*

" *hispida*

" *pulchella*

" *costata*

" *venusta*

" *arbutorum* H. Buxton.

" *aspera*

" *aculeata*. Quite common under small stones on  
slope at famous 'dyke' in chalk.

*Coch. lubrica*

*Carychium minus*

*Clavilix tridentata*

*Pupa anglica* Many pure white.

" *cylicum*

*Vertigo substriata*

Chalk Stack below C.G. Station at  
Ballintoy Harbour. AN. Ant. 15-5-13

All collected on grassy summit.

*Hyalinia allian*

*Helix hispida*

" *aculeata*

" *itala*

" *virgata*

" *barbata*

" *pulchella* ?

" *venusta* One beautiful ooooo umbello-umbellata.

*Coch. lubrica*

*Pupa cylicum*



Extreme point of Kinbane Hd.  
A.N. A.S. 15-5-13.

<i>Agrio. apertus</i>	
<i>Hyatis allius</i>	Common.
" <i>crystallus</i>	Rare.
<i>Helix pulchella</i>	V. common.
" <i>costata</i>	Frequent.
" <i>neurolepis</i>	Dead.
" <i>itala</i>	a few.
<i>Coch. lubrica</i>	Abundant, all greenish-white form.
<i>Pupa muscorum</i>	One specimen.
" <i>cylindrica</i>	In millions, many var. <u>anconostoma</u> .
<i>Vertigo pygmaea</i>	One spec.

Ditto - ditto but on main head, but  
beyond castle.

*Helix rotundata*  
*Cl. bidentata*  
*Vertigo pygmaea*

Join Head + Murlough Bay.  
G.W.S. 16-5-13.

No addition to list, but the following  
*Pisidia* taken in lakes

Lough na manoy.

*Pisidia* ~~*ottomata*~~  
" ~~*sp.*~~ *nitidum*

373

Lough Sher.

*Pisidia* ~~*ottomata*~~.

374

missing

Lough Fad.

? any.

375

missing



Newry Canal, Newry  
Co. Armagh. A.S. 31-5-13.

*Limnaea peregrina*

" *palustris*

*Physa fontinalis* In ditch only.

*Planorbis carinatus*

*Bith. tentaculata*

*Valvata cristata*

" *piscinalis*

*Pal. jenkinsi* In miller's, but only below 10<sup>th</sup>  
lock above town. Not seen  
here in Feb. 1906. (See I p.)

*Sphaerium cornu*

*Psidium milium*

" *nitidum*

" *subtruncatum*

Ver.

A.W.S.

25-12-17.

(376)

In Millar's spirit?

In tank, &c in greenhouse of Smith  
Nursery, Newry. A.S. 31-5-13.

*Agrio. laevis*, *Hyalin. cellarium*, *Arim. fortensis*

Sp. ?

*Planorbis cornu*,

*P. carinatus*, *Limnaea peregrina*, *Bith. tentaculata*.

Agnew's Hill, AN.

1200-1400 ft. A.S. & D. Sea.

26-5-13.

*Agrio. apertus*

Cale house farm.

*Arim. ater*

Var. aterrimus.

" *intermedius*

" *circumscriptus*

*Hyalin. albus*

" *nitidulus*

" *crystallinus*

*Helix stans*

" *neurobi*

*L. truncatula*

In marsh at 1100 ft.

Eshna Glogh, 900 ft. alt, Slieve Begh.

Monaghan, A.S. & H.F. 8-6-13.

*Agrio. apertus*

*Arim. intermedius*

? Just out of egg.

*Vitrina pellucida*

Dead.

*Hyalin. pusilla*

*Limnaea peregrina*

" *truncatula*

*Psidium* sp.

(377)



Roadside near Drumcaskie, MO.  
 Aug. 8-6-13.

*Limax arborum*  
*Arion circumscriptus*  
*Helix reticulata*  
*Pupa cylindrica*  
*Clethrionomys glareolus*

Lagan Canal, Hills brought to  
 Union Locks, ~~Down~~ ~~XXXX~~ Aug. 14-6-13.

*Agriolimax agrestis*  
*Arion ater*  
*Hydrobia ulterius*  
 " *radiatula*  
*Helix reticulata*  
*Luccinea pfeifferi*  
*Limnaea peregrina*  
 " *palustris*  
*Physa fontinalis* Rare.  
*Planorbis carinatus*  
*Bith. tentaculata*  
*Sphaerium cornu*  
*Anodonta cyanea* [Aug. 1911.]

also

Pisidium

in spirit  
in water

And on Antler side of Lagan  
 at Lishan, *Luccinea pfeifferi*  
 & *Pisidium amnicum*

Drumcaskie Glen, Down

Aug. 21-6-13.

*Limax c-niger* a striped var. on north side of  
 glen, 1/2 way up path leading  
 to old road up to Leverage  
 post rectory.

Cushendall & District, antrim.

Aug. 11th - 28th July, 1913.

*Limax naevius*

Frequent.

" *arborum*

Common to 1200 ft. alt.

*Agriolimax agrestis*

"

*Philos. papilion*

By shore only.

*Arion ater*

"

" *suffusus*

" Very dark form on Lurgethan  
 up to 1100 ft.

" *hortensis*

Near Village only.

" *circumscriptus*

Frequent.

" *interius*

F.

*Ystrina peltoides*

Scad.

*Hydrobia ulterius*

Frequent.

See also III pp. 92-105.



## Cushendall district continued.

- Hy. alluvia* c.  
*" nitidula* rare.  
*" pura* f.  
*" radiatula* Frequent in glens.  
*" crystallina* c.  
*Helix rotundata* c.  
*" rupestris* At Farron + on Lurigethan.  
*" hispida* c. Very fine below fall in Glentallymore, all full grown.  
*" asperata* Red Bay Cuth, by shore + in quarry.  
*" nemoralis* f.  
*" aspersa* Farron Pt.  
*" asburtoni* Below fall in Glentallymore + in Triassic glen on n-west side of valley 1/2 mile below fall.  
*" fusca* Glentallymore.  
*Coch. lubrica* c.  
*Pupa cylindrica* c.  
*" anglica* Glenariff.  
*Daurobia fidentata* c.  
*Palaeo peruviana* At Farron Tower on old road wall.  
*Corydalis minima*

- Limnaea truncatula* on shore below Laid Church.  
*" peregrina* at 800 ft. alt. in outlet of L. Katalley.  
*" palustris* " " " also *Pis. courtanum* (379A)  
*Planorbis cristata* Under stone in L. Vicannon, 875 ft. alt.  
*Pisidia* ~~*canaliculata*~~ <sup>probably *P. personatum*</sup> in peaty soil at roots of plants at 1050 ft. behind Crochnavar.  
*" nitidum* In L. Vicannon, 875 ft. alt.  
(379) = *Pisidia* at roots of plants ---  
(379A) = *P. courtanum* in outlet of L. Katalley.  
(380) = *" nitidum* in L. Vicannon.

Notes. Effect of sea water on slugs

*Agriolimax agrestis* floated in sea water for nearly half an hour, but after that time it had sunk + was dead.

*Milax pagator* Also floated, but sank in fifteen minutes + was quite dead at end of twenty-five minutes.



Down.

Killough district, 2 S & R 15.

7th & 16th August, 1913.

- ① White Bog. 4. By sea near  
 ② Near Ry. Station. village.  
 ③ Strand Longh. (near).

*Agrio-arestin* 1 + 2 + 4.

*Anion ater* " "

" *suffusum* 1.

" *circumscriptum* 2 + 4

" *intermedium* 2 + 4

*Hyalin cellum* 2 + 4

" *allium* 1.

" *nitidula* 2 + 4.

" *pura* 2 + 4.

" *crystallina* 2.

" *fulva* 4.

*Sph. edentata* 2 + 4.

*Helix rotundata* 1 + 2 + 4

" *lispida* 2 + 4

" *aspera* 2 + 4

" *nemorali* 1 + 2 + 4

*Coch. lubrica* 1 + 2 + 4

*Carychium* 1 + 2 + 4

*Chusilex tidentata* 2 + 4.

*Balan pumosa* In doghouse on iron field wall on left of road leading to Dourpatrick.

*Pupa glidum* 2 + 4

" *anglica* 4. In many spots at foot of old gravel cliffs.

" *muscorum* 2. Under stones near an old stone yard near station on Dourpatrick road.

*Vertigo pygmaea* 2 + 4.

*aculeata* 4. Not *P. anglica*. R. (S. L. L.).

*Limon peregrina* 1 + 4.

" *palustris* 1 + 3

" *truncatula* 3.

*Aplecta hypnum* 3. In drain.

*Physa fontinalis* 1.

*Planorbis carinatus* 1 + 3.

" *spurius* 3.

" *fontana* 1.

" *contorta* 1.

*Bith. tenebricola* 1.

*Pal. ventrosa* 3.

*Valvata cristata* 1.

" *proxima* 3.

*Pisidium* (351)

*Succinea* *halimorum* 1 + 3 common.  
 This does not include  
 extent of *halimorum* in  
 mud, see over.



# White Bog Marl.

near Killough, Down. A.S. 9.8.13.

Section No. 1. dug on edge of old lake near farm.

Section I



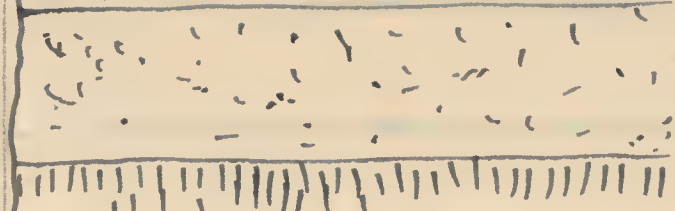
marsh level.



5" of bluish stony clay with *Littorina littorea*? "Hill creep".



12" peat.



6" shell marl



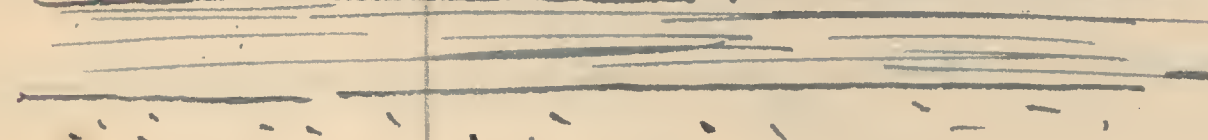
fine stiff & very tenacious blue clay, with small stones.

A.S. & P.R. V. 16.8.13.

Section No. 2. dug in middle of marsh towards Killough end.



peat. 6"



marl 6"



grey sand. 6"



black sand.

Section No. 3. dug near side of marsh then No. 2.



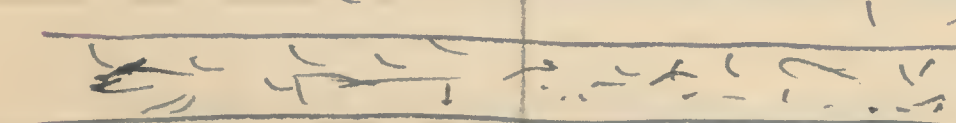
24" peat with pockets of marl & shells.



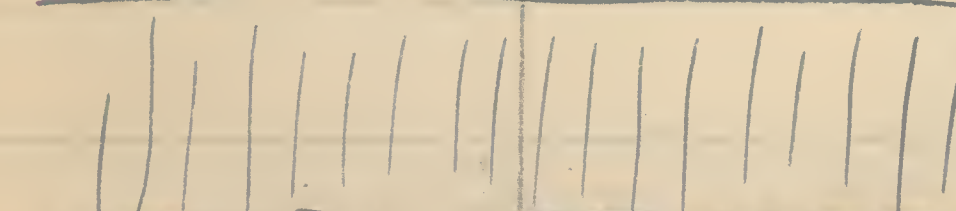
3" laminated black jelly like peat with shell pockets.



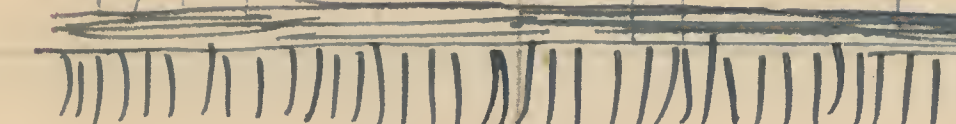
9" shell marl in zones.



3" "chari" marl, nearly white.



6" grey sands.



1" layer of marly sand with shells.

Black sands for at least another 12" depth.

List of shells from above.

Section No. 1.

*Littorina littorea* occurred in top layer, "Hill creep" (?). Probably brought with sea-weed to manure the fields.

No shells were seen in the peat. From the shell marl came



White Bay, Markt, Killoryh, continued.

the following species.

- Linnaea puer.* Very common, but usual small acute-spined form.  
*Planorbis glaber* Common in lower beds only.  
 " *crista* Common.  
*Valvata cristata* Frequent.

- Pisidium* *stellatum* ✓  
 " *subrotundum* ✓  
 " *subrotundum* ✓  
 " *littorinum* ✓  
 " *casertanum* ✓  
 " *subrotundum* ✓  
 " *stellatum* ✓

No shells were seen in the stiff grey clay beneath the marl.

*Linnaea puer*

Section No. 2.

No shells were seen in the black sands.

The grey sand, 6" deep, contained an abundance of shells, were easily washed + very free from mud or marl. Contained.

*Linnaea puer.* Very small form, frequent.

*Planorbis glaber.* Common in all stages of growth.

" *crista* " " " "

*Valvata cristata* Very rare.

*Pisidium casertanum*. B.B.W.

" *subtruncatum*. B.B.W.

" *nitidum*. B.B.W.

" *obtusale*. B.B.W. id.

" *tillgeborgii*. B.B.W.

" *nitidum*. B.B.W.

" *pusillum*. B.B.W. id.

*Pisidium*  
*subtruncatum*  
*nitidum*  
*obtusale*  
*tillgeborgii*  
*pusillum*

The shell <sup>marl</sup> ~~marl~~, 6" deep, contained many shells, many of the *Linnaea*, *Planorbis*, *Valvata*, *Pisidium*, *Chara*.

It contained the following species.



White Bog, Marl, Killough, cont.  
Specimen Sect. II. Chara marl.

Succinea pfeifferi. One specimen of a  
very elegant form, but small.

Limnaea puegeti. Common.

Vertigo pygmaea. One specimen, large form.

Valvata piscinalis. One operculum but  
no shells.

" cristata. Common.

Pisidium casertanum. B.B. V.

" nitidum. B.B. V.

" parvum. B.B. V.

" lilljeborgii. B.B. V.

" obtusum. B.B. V.

The overlying peat contained  
no shells.

### Section III.

Black sands.

The Black Sands appeared to  
contain no shells.

But a passage bed between the  
and the grey sands contained  
Limnaea puegeti. Small form + not abundant.

Passage Bed 1"

Planorbis glabra. Common + large.

" crista. frequent.

Pisidium casertanum. A few large specimens.

" nitidum. Common.

" parvum.

" lilljeborgii.

" obtusum.

Shells were abundant in this passage bed  
though none were seen in grey sands  
above; but unfortunately this was not  
brought home + worked.

Grey sand 5"

No shells seen!

Chara marl, 3"

Chara marl. Very few from vegetable  
debris, picked + carefully washed.



White Bog, marsh, Killough, continued.  
(Shore marsh)

It contained

Linnæa pergeri. Abundant.

Planorbis glaber. One young specimen.

" crista. One juvenile.

Valvata cristata. Frequent.

Pisidium ~~nitidum~~

" ~~spumelle~~  
" ~~littorale~~

Shell marl, 9"

Shell marl, 9" deep, Very tough,  
laminated, with much fine vegetable  
debris. Very hard to work down.

Shells frequent. It contained  
Linnæa pergeri. Common, occasionally  
large.

Planorbis glaber. V. rare.

" crista. Rare.

Valvata cristata. Frequent.

Pisidium ~~exsertum~~

" ~~nitidum~~ ✓

" ~~spumelle~~ ✓

Lower peat 3"

Peaty layer, 3" deep, light brown, flaky  
vegetable matter, with shells in  
little pockets, thinning out.  
Proger says "

Contained.

Linnæa pergeri. Common & much larger  
than in lower beds.

Valvata cristata. Common & some large

Pisidium ~~exsertum~~. Common.

" ~~nitidum~~ ✓

" ~~spumelle~~ ✓

" ~~perforatum~~ ✓

" ~~oblongum~~ ✓

" ~~littorale~~ ✓

" ~~planorbis~~ ✓



Shore of Lough Neagh,  
Lurgan Pump. St. to Kinnegoe Point, Armagh.  
A.V.S. 20.8.13.

- Agrio. laevis*  
*Zon. nitidus* 2<sup>nd</sup> st. for Armagh.  
*Succinea Pfeifferi*  
 " *putris* Kinnegoe.  
*Limnaea peregrina* Var. *laevis* Leach, fixing -  
 shallow water on rocks at  
 Kinnegoe st. 3/4 grown. Therefore  
 it is not a deep water form.  
 " *palustris*  
 " *stagnalis* In hundreds near Pump. Station  
 in shallow dried up pools.  
 all var. *laevis* Staden.  
 " [*auriculata*] In drift from Kinnegoe Bay  
 collected by V. A. Green about  
 1908.

- Physa fontinalis*  
*Planorbis albus*  
 " *carinatus* Common in Lake & drains  
 " *umbilicatus* One fine specimen in a drain.  
*Amplexus floridulus* With *L. peregrina* var. *laevis*.

*Bith. tentaculata*.

*Valvata pinnata*. Dead.

*Pal. jenkinsii*. A sandy patch at Pumping Station.  
 First record, other than for  
 plain at river mouth, in  
 Antim & Blackwater, for  
 Lough Neagh.

*Sph. cornu*.

*Pisidium unum* Dead.

"

"

" *milium*

"

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Brown Bay to Portmuck,  
 Islandmagee, Antim.  
 A.V.S. 6.9.13.

*Agrio. apertus*

*Anis. alba*

*Hyalina pumila*

" *crystallina*



## Islandmayer Continues.

*Helix nemoralis*" *hispida*" *terrestris*" *rotundata*" [*arbutorum*]

Terrestris Bay.

During August 1912, H. Overton of Birmingham, told me that he picked up a dead shell of *H. arbutorum* on one of the iron bridges of the Gibbins Cliff Path. It had evidently fallen from the cliffs & had wedged itself between two of the bars.

*Coch. lubrica*

*Clavella lichenoides*. Very common under clumps of *Spergularia* sp. on rocks about at high-water level: no other vegetation but Lichens.

*Vertigo pygmaea*" *substriata**Purp. anglica*" *cylindrica*

Phillish, Donaghadee, Co. Down.

A.V.S. 21-9-13.

*Cyris-areolaris**Lima maximus**Arion ater*" *suffusus*" *hortensis*" *circumscriptus**Hydrobia ulina*" *crystallina*" *fulva**Helix rotundata*" *hispida*" *refusa*" *fulvella*" *aspersa*" *nemoralis**Cl. lichenoides**Balanus perforans**Purp. cylindrica**Carychium minimum**Coch. lubrica*

Near Voturn. Introduced. \*\*\*.

Shore near Voturn.

Near Cottages only. \*\*\*.



Ards Peninsula, Down. E.W.S. 19-10-13

(1) Ballytrustan Old Church, Portaferry.

(2) Near Quinton Castle, on shore.

<i>Agrio. agrestis</i>	1.	
<i>Arion ater</i>	1.	
" <i>intermedius</i>	2.	
" <i>circumscriptus</i>	1.	
<i>Vitrea pellucida</i>	2.	Dead.
<i>Hyalina cellaria</i>	2.	
" <i>alliarum</i>	1.	
" <i>crystallina</i>	2.	
<i>Helix rotundata</i>	1.	
" <i>palchella</i>	2.	
" <i>lepidus</i>	1 + 2.	
" <i>aspera</i>	2.	
<i>Coch. lubrica</i>	1.	
<i>Pupa cylindrica</i>	1 + 2.	
<i>Vertigo pygmaea</i>	2	
<i>Clavilella viduata</i>	1.	

Boj Meadow, Belfast, Antrim.  
A.W.S. 26-10-13.

<i>Agrio. agrestis</i>	
" <i>laevi</i>	
<i>Limnaea peregrina</i>	
" <i>palustris</i>	
" <i>truncatula</i>	
<i>Succinea pfeifferi</i>	
<i>Planorbis contortus</i>	
" <i>leucostoma</i>	
<i>Apleta hypnorum</i>	
<i>Physa fontinalis</i>	
<i>Valvata cristata</i>	
<i>Sphaerium corneum</i>	
<i>Planorbis milium</i>	
" <i>caeretanum</i> ?	
" <i>sp.</i>	
" <i>sp.</i>	

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Tag J. G. S. S.



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## Drumles Glen, Dorri.

A. V. S. 1-11-13.

*Agrio. apertus*.  
*Arion subfuscus*.  
 " *circumscriptus*.  
*Vitruia pellucida*.  
*Hyalina alluvina*  
 " *nitidula*.  
 " *pura*  
 " *crystallina*.  
 " *fulva*.  
*Sph. edentulum*.  
*Helix rotundata*  
 " *hiopida*  
 [ " *rufescens*  
 " *lamellata*  
 " *nemorata*.  
*Coch. lubrica*  
*Carychium minus*  
*Purp. anglica*.  
 " *cylindracea*  
*Clavella viduata*  
*Anagallis flavistylis*.

occurs in the Rectory garden. XXX

197.

## Near Mayhemarm, Antrom.

A. V. S. 21-12-13

- (1) Railway n. of Mayhemarm Station.  
 (2) Marsh S. of Slyn Station.  
 (3) Rungill Glen, Glenoe.

<i>Agrio. apertus</i>	1-2-3.	
<i>Limax arborum</i>	3.	
<i>Arion ater</i>	2-3.	
" <i>hortensis</i>	1-2.	
" <i>circumscriptus</i>	1-2 + v. common at 3.	
<i>Vitruia pellucida</i>	Found at 2, also 1-3.	
<i>Hyalina cellaria</i>	1.	<i>Helix aspersa</i> . 1., XXX.
" <i>alluvina</i>	2-3.	" <i>nemorata</i> . 1-2-3.
" <i>nitidula</i>	1-2-3.	" <i>arborum</i> . 3. Dead
" <i>pura</i>	2-3.	<i>Coch. lubrica</i> . 1-2.
" <i>crystallina</i>	2-3.	<i>Clavella viduata</i> . 1-2-3.
" <i>fulva</i>	2.	<i>Carychium minus</i> . 3.
<i>Helix rotundata</i>	1-2-3.	<i>Balca perversa</i> . 3.
" <i>hiopida</i>	1-2-3.	<i>Vertigo pygmaea</i> . 1.
" <i>rufescens</i>	1. XXX.	<i>Purp. anglica</i> 1+2.
" <i>intersecta</i>	1. XXX.	" <i>cylindracea</i> 1-2-3.
" <i>virgata</i>	1. XXX.	<i>Lucina Pfeifferi</i> . 2.
		<i>Paludetina ventrosa</i> . 2. Dead
		<i>Apleta hyporum</i> . A.V.S. at 2.
		Jan. 1906.
		<i>Prisidina</i> sp. 2.
		" sp. 2. 385



Killanny, 4 miles west of Louth,  
Co. Louth. A. V. S. 12-4-14.

<i>Agrio. apertis</i>	c.
<i>Arion atr.</i>	c.
" <i>sulphureus</i> .	f.
" <i>hortensis</i> .	f.
" <i>circumscriptus</i>	c.
<i>Vitrea pellucida</i>	
<i>Hyalina cellaria</i>	
" <i>pura</i> .	all var. <i>nitidosa</i>
" <i>radiatula</i>	
" <i>crystallina</i>	
<i>Helix stansdota</i>	
" <i>leipida</i>	
" <i>memoralis</i>	
" <i>hortensis</i>	In ledges.
" <i>aspera</i>	In churchyard only. x x x
<i>Coch. lubrica</i>	
<i>Cyprina nivalis</i>	
<i>Cyprina cylindrica</i>	
<i>Vertigo pygmaea</i>	
<i>Succinea patina</i>	By edge of drains
" <i>fluffii</i>	"

*Limnaea puegeti*

*palustris*

*Physa fontinalis*

*Planorbis albus* ?

" *carinata*

*Bitt. tentaculata*

*Valvata cristata*

" *piscinalis*

*Sph. corneum*

*Pisidium milium*

" *obtusum*

" *pusillum* ?

" *nitidum* ?

In drains, or in drift of  
river "Glyde" (tributary of)  
above Killanny Mill.

Some seen about here P. H. Swenson  
took *St. vortex* (see I.N.)

A. S. Kennard has the specimen  
which I have seen: they are  
typical *St. vortex*.

A. V. S. Killanny, 7/12/14.

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## Near Carrickmacross, Monaghan.

G. V. S. 12-4-14.

(1) N.E. Corner of Lough Naglack R. Carb. Limestone.

(2) Small lake below Shercock R. Silurian. ~~XX~~ ✓*Agrius apertus* 1-2.*" laevis* 1-2.*Milax pagator* 1 With *H. aspersa* & *H. rufescens* ~~XX~~ ✓*Arion ater* 1-2.*" subfuscus* 1.*" hortensis* 11*" circumscriptus* 1-2.*" intermedius* 1.*Hyalina cellaria* 1.*" nitidula* 1.*Helix rotundata* 1.*" <sup>excentrica</sup> pulchella* 1 = 1 dead shell of *excentrica*! G. V. S. 18/11/24*" hispida* 1.*" rufescens* 1. ~~XX~~ ✓.*" aspersa* 1. ~~XX~~ ✓.*Coch. lubrica* 1-2.*Pupa cylindrica* 1*Acanthis bidentata* 1*Succinea Pfeifferi* 1.*Limnaea peryz.* 1-2.*" stagnalis* 1.*" truncatula* 1.*Planorbis coriata* 1.*" contorta* 1-2.*Bith. tentaculata* 1.*Valvata cristata* 1.*" pinnatifida* 1.*Sph. cornu* 1-2.*Pseudina* sp. *P. pulchella* ? at 2. G. V. S. (7-6-14)*" nitidum* ✓ G. V. S. 18/11/24 (387A)  
found on Cadden road in co. Wick. I believe to  
have been taken at station 1.

## Virginia, Caran. G. V. S. &amp; B. H. F. 12-4-14.

all on Silurian rocks.

1. Roadside E. of town.

2. Shore &amp; C. of L. Ramor (Lough Ramor)

*Limnaea maritima* 2.*" arborea* 2.*Agrius apertus* 2.*" laevis* 2. 1<sup>st</sup> record for Caran.



## Virginia, Cavan. continued.

<i>Anion ater</i>	2.
" <i>subpallidum</i>	2.
" <i>intermedium</i>	2.
" <i>hortensis</i>	1.
" <i>circumscriptum</i>	2.
<i>Vitula pallidula</i>	2.
<i>Hyalina cellaria</i>	1. xxx.
" <i>allioria</i>	2.
" <i>nitidula</i>	2.
" <i>pura</i>	2.
" <i>crystallina</i>	2.
<i>Helix rotundata</i>	1-2.
" <i>refersum</i>	1. xxx
" <i>asperum</i>	1. xxx
<i>Coch. lubrica</i>	2.
<i>Pupa glandinea</i>	2.
<i>Limnaea palustris</i>	2
<i>Pisidium</i>	2

These were the only freshwater shells seen. The rejectamenta from lake contains no shell. Too early in season & too cold.

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## Brackley Lough, S. of Swanlinbar, Cavan.

G. V. S. &amp; H. H. F. 13-4-44.

" L. Erne basin.

<i>Limnaea maxium</i>
<i>Agria agrestis</i>
<i>Anion ater</i>
" <i>hortensis</i>
" <i>circumscriptum</i>
<i>Vitula pallidula</i>
<i>Hyalina cellaria</i>
" <i>allioria</i>
" <i>nitidula</i>
" <i>pura</i>

All in wood on n. side of lake by roadside.

" <i>crystallina</i>
<i>Helix rotundata</i>
" <i>hispidula</i>
" <i>refersum</i>
" <i>remoralis</i>

xxx.

<i>Coch. lubrica</i>
<i>Clausilia viduata</i>
<i>Pupa glandinea</i>
<i>Acrostus lacustris</i>
<i>Sph. cornutum</i>

Dead in lake.



## Shannon Pot, Caran.

G. V. S. &amp; N. H. F. 13-4-14

*Agrio. apertus*" *laevis*.*Arion ater*" *intermedius*" *circumscriptus**Vitruia pallidula**Hydrobia nitidula*" *pura*." *crystallina**Sph. edentulus**Helix rotundata*" *remorali**Purpa anglica*" *glabrata**Cor. lubrica*.*Cardium rufum**Succinea Pfeifferi**Limnaea truncatula**Acicula lineata*.

Dark grey &amp; yellow forms.

Very common.

B. Almost all collected in the scrub-filled hollow n. of the "pot" where the underground river has carved a outcropping.

Further south there are extensive bits of scrub composed mainly of Holly, which might yield for *exarista* & other good things.

## Creeblea Abby and Drumahaire, Leitrim.

G. V. S. &amp; N. H. F. 14-4-14.

(1) Creeblea Abby.

(2) Garden of Abby Hotel, Drumahaire.

(3) Roadside near Drumahaire.

*Agrio. apertus**Limnaea maximum*" *flavus*" *arborum**Milax sovietzi**Arion ater*." *subfuscum*" *hortensis*" *circumscriptus**Hydrobia cellana*" *nitidula*" *crystallina**Helix rupestris*" *rotundata*" *livida*" *supremum*

1-2-3.

1. An almost unicolorous variety.

Taken by party in old 'Castle' at Drumahaire - Sept. 1900. x x x

3.

2. Large &amp; common. x x x.

1-2-3. At 1 var. *hannae*, *cartonae*, "*pallida*" & "*grisea*" miki, were seen.

1.

2.

1-2.

1-2. Very fine at 2.

1-2.

1.

1.

1-2.

1. A very neat 'sericea, Drap.' form.

1-2. Common at 2, seen at 1. x x x



## Dunahair, Leitrim, continued

<i>Helix aspersa</i>	2. xxx.
" <i>nemoralis</i>	1-3.
<i>Coch. lubrica</i>	1-2.
<i>Pupa cylindrica</i>	1-2.
<i>Carychium minus</i>	1.
<i>Clausilia bidentata</i>	1.
<i>Balea perversa</i>	1. On walls with <i>C. bidentata</i> , <i>H. repens</i> , + <i>P. cylindrica</i> . A typical mural 'association'.

## Lough Gill + Slisk Wood, Sligo.

G. V. S. + N. H. F. 14-4-14.

- (1) Gortlownan, 2 miles S.E. of Dunahair  
 (2) Traamore Bog, L. Gill.  
 (3) E. end of Slisk Wood.  
 Nos. 2 + 3 are on Metamorphic Rocks  
 No. 1. on limestone. All in Sligo.

<i>Linnaea maritima</i>	1.
" <i>arvensis</i>	1-3.
<i>Agrostis agrostis</i>	1-2-3.
" <i>canina</i>	2.

<i>Arion ater</i>	} 1-2-3.
" <i>subfuscus</i>	
" <i>intermedius</i>	
" <i>hortensis</i>	
" <i>circumscriptus</i>	

<i>Hyalina cellaria</i>	1-2.
" <i>allema</i>	3.
" <i>nitidula</i>	1-3.
" <i>pura</i>	1-3.
" <i>radiata</i>	1-2.
" <i>crystallina</i>	1-2-3.
" <i>pubra</i>	1-2-3.

*Zon. excavata*

3. The object of the day's excursion was to search for the shell which had hitherto never been found in the Sligo area. The specimen, type, was found near the close of the day's expedition, under a rotten stick by the little stream which flows into the small lake on the eastern edge of Slisk Wood. The species is no doubt frequent in the non-calcareous district.



L. fill + Slisk Wood, continuing.  
Slugs.

*Helix rotundata* 1-2-3.

" *hispida* 1-2.

" *camellata* 3. Common.

" *remorata* 1-2.

*Coch. lubrica* 1-2-3.

*Carychin nina* 1-2-3.

*Clausilia bidentata* 1-3.

{ A keen look out for *Cl. laminata*, which was  
supposed to occur on Church Island, L. fill,  
was kept, but it was not seen.

*Vertigo pygmaea* 1.

" *antivertigo* 2.

*Sp. edentulum* 1 + 3.

*Pupa anglica* 3 + 2.

" *cylindrum* 1-2-3.

*Succinea putris* In marsh between 1 + 2. Very large.

" *pfeifferi* 2.

*Limnaea puzosii* 2.

" *palustris* 2.

" *auriculata* In L. fill near Doonee Rock. July 1904.

" *truncatula* 2.

*Apleta hypnum*

*Planorbis glabra*

" *contorta*

" [vortex]

[*leucostoma*

[*fontana*

*Boett. tentaculata*

2. In old clay hole.

2 One in lake on 'moss' which grows  
on stone in a fern in glade.

2.

Church Island, 1900. Doonee Rock 1904.

Pool near Doonee Rock 1904.

Doonee Rock, 1904.

2.

[*Meristina flavicollis*

[*Aradonta cyanea*

Church Island, Sept. 1900.

Church Island, Sept 1900. Doonee 1904.

*Physidina rubra*

2.

" *caerulescens*?

In dam near S. putris pond.

" sp.

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N. Shore of Dargan Lough, Castle Dargan,  
4 miles east of Ballysadare, Sligo.  
A.V.S. & M.H. Foster. 15-4-14.

*Agria agrestis*  
*Arion ater*  
*Vitina pellucida* D.  
*Hyalin cellaria*  
" *nitidula*.  
" *radiata*.  
" *crystallina*  
*Zon. nitida*.  
*Idola rotundata*  
" *lispida*  
" *memoralis*  
" *aspera*.

Under stone on ditch with the woodlouse  
*Armadillidium pulchellum* & looked  
native.

*Coch. lubrica*  
*Carychium* min  
*Clavella Fidentata*  
*Purpura cylindrica*  
*Succinea Pfeifferi*

This looks like *nitida*  
the 'Owenmore' & basin  
'Washin River' & not L. Gill.  
In this like *Spart* a  
sponge:-

*Limon pueyr*  
" *truncatula*  
*Physa fontinalis*  
*Bitt. tentaculata*  
*Valvata piscinalis*  
*Sphæria cornu*  
*Pisidium* sp.

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Knocknave Glen, Sligo.

A.V.S. & M.H.F. 15-4-14.

*Agria agrestis*  
*Arion ater*

" *sutton* In field near glen.  
" *hortensii* Looks native, but see note on *H. rufum* below.

" *cinnabarin*  
*Hyalin cellaria* N.N.N.  
" *nitidula*  
" *pura*.  
" *crystallina*  
" *fulva*.



# Knocknaree Glen, Sligo, continued.

*Sph. edentulum*

*Helix rotundata*

" *lispida*

" *reflexum*

A large flat farm.  
at the foot of the glen, where the ruins  
of old cottages are, this shell was  
common. As one ascended the  
glen it became rarer. I think  
therefore that it is xxx, without  
doubt.

" *remoralis*

*Coch. lubrica*

*Carychium minus*

*Clausilia bidentata*

*Pupa aspleia*

" *cylindrica*

Half way up the glen, on right hand side  
according, we found a fine Kitchen Puddle  
containing shells of oysters, cockles, limpets,  
whelks & mussels.

# Rosser Point, Sligo.

A. V. S. & H. H. F. 15-4-14.

All collected in or near largest lake.

*Agrius agrotis*

*Arion ater*

" *intermedius*

*Limax arborum*

*Hydrobia cellaria*

" *nitidula*

" *crystallina*

*Helix frustulata* [1904]

" *rotundata*

" *lispida*

" *remoralis*

" *asprea* N.N.N.

*Coch. lubrica*

*Carychium minus*

*Clausilia bidentata*

*Pupa cylindrica*

[*Acicula lineata* 1904]

*Limax pulex*

*Planorbis alba*

" *contorta*

Also.

*Bith. tentaculata*

[*Sph. cornu* 1904]



Ballynamona Woods, on N. shore of L. Gill  
 1/2 mile S. of Leitrim Boundary - Sligo.  
 A. V. S. & N. H. F. 15-4-14.

*Agrio. apertus*  
*Anion ater*  
 " *hortensis* NNN.

" *circumscriptus*  
*Hyalina allium*  
 " *nitidula*  
 " *pura*.

" *crystallina*  
*Helix rotundata*  
*Coch. lubrica*.  
*Carychium minimum*  
*Acanthis bidentata*

*Pupa anglica* Common.  
 " *cylindrica*

*Acicula lineata* Very common under rock stones, with  
 the woodlouse *Haplorthalmus margini*.  
 It was just getting dark & with  
 these animals had evidently  
 come out of their day-resting place  
 for the evening. See p. 152, ante, for  
 similar association.

South shore of Doon Lough, Leitrim.  
 A. V. S. & N. H. F. 16-4-14.

This lake drains into Striff Bay, L. Gill.

*Limnaea arborum*  
*Agrio. apertus*  
 " *laevi*

*Anion ater*  
 " *subpallens*  
 " *intermedia*  
 " *circumscriptus*

*Hyalina allium*  
 " *nitidula*  
 " *pura*.  
 " *radiatula*

" *crystallina*  
*Sph. edentula*  
*Helix rapetina*

" *rotundata*  
 " *hippida*  
 " *remorata*

*Coch. lubrica*  
*Carychium minimum*  
*Acanthis bidentata*

Asoo.

*Pupa anglica*  
 " *cylindrica*.

*Succinea pfeifferi*  
*Limnaea peregrina*  
 " *truncatula*.

*Planorbis alba*. D.  
 " *contorta*. D.  
 " *crista*. on middle case.  
 " *fontana*. D.

*Bitt. tentaculata*.  
*Valvata piscinalis*  
*Sphaerium cornu*.  
*Pisidium* ?



Glencar and Swin Valley, Leitrim.  
A. V. S. & H. H. F. 16-4-14.

*Agrius apertus*

" *laevis*.

*Limax arboreus*.

*Arion ater*.

" *subfuscus*.

" *intermedius*.

" *hortensis*

NNN.

" *circumscriptus*

*Hyalina cellaria*

The usual large flat Irish form.

Specimen collected here by R. J. Veldt  
in July 1904, has been named and  
recorded by J. V. Taylor in his

monograph, vol. III, p. , as

*Hyalina helvetica*, Blum.

Why? food only known.

" *allearia*

" *nitidula*

" *pura*.

" *crystallina*

*Helix rotundata*

" *hippida*

A large flat form at the 'Waterfall'.

*Helix arborea*

Dead shells common at bottom of  
Swin Valley and at Waterfall.

" *juvca*

Bottom of Swin Valley. Very  
large + 'heavy' shells.

" *conellata*

" *lacustina*

At the Waterfall, 1904.]

" *hemorali*

Common on cliffs above Swin Valley

One var. *viridimaculata*, many white  
lipped + large, and one dead very  
like *Helix hortensis*.

*Coch. lubrica*

*Carychium*

*Cassidix bidentata*

*Pupa anglica*

" *gylis*

*Anagallis flavida*

In last of shells

in Glencar

Long. L.

I.N. Sept. 1904.



# Gleniff and Annacoon, Sligo.

G. V. S. & N. H. F. 17-4-14.

	Max. height seen at
<i>Limax arboreus</i>	700 ft. alt.
<i>Agrius agrestis</i>	1400.
<i>Arion ater</i>	1400.
" <i>subfuscus</i>	1200.
" <i>circumscriptus</i>	700.
" <i>hortensis</i>	Near miners house only. xxx.
<i>Hyalinaria cellaria</i>	1200.
" <i>alliana</i>	700.
" <i>nitidula</i>	1000.
" <i>pura</i>	1200.
" <i>crystallina</i>	1400.
" <i>fulva</i>	1300.
<i>Helix rotundata</i>	1400.
" <i>repertri</i>	N. H. F. 600 ft. on talus.
" <i>hemorali</i>	1400.
" <i>arbutorum</i>	1400.
" <i>hispidula</i>	In thousands all over grass slope up to entrance to 'Dermot & Francis' Bed' at 1400 ft. The large, flatish, form.
<i>Coch. lubrica</i>	1200.
<i>Carychium</i>	700.

<i>Clavus bidentatus</i>	1400.
<i>Pupa longica</i>	1000.
" <i>cylindrica</i>	1200.

## Glenade, Leitrim.

G. V. S. & N. H. F. 18-4-14.

(1) Lough shore at outlet.

(2) Cliffs west of lake to about 1000-1200 ft.

<i>Limax arboreus</i>	1.
" <i>maximus</i>	1. In wood.
<i>Agrius agrestis</i>	1-2.
" <i>crematus</i>	1.
<i>Arion ater</i>	1-2.
" <i>subfuscus</i>	2.
" <i>intermedius</i>	2.
" <i>hortensis</i>	1.
" <i>circumscriptus</i>	1-2.
<i>Philos. fayatis</i>	In bed of stream, by road, below Erriff, n. of lake on road from Bundoran. A very local colony, with the woodhouse <i>Trich. roseus</i> . Standing doubtful, xxx.



# Glenade, Litterin, continued.

<i>Punctum pygmaeum</i>	1. In flood debris.
<i>Sph. edentatum</i>	1.
<i>Helix rupestris</i>	1-2.
" <i>retundata</i>	1-2.
" <i>hispida</i>	1-2. The usual form, with side umbilicus.
" <i>aculeata</i>	1.
" <i>lanceolata</i>	1.
" <i>remorata</i>	1-2.
" <i>arbutum</i>	2. Abundant on slopes below cliff above "Crevellea".
<i>Coch. labrica</i>	1-2.
<i>Carychium</i>	1-2.
<i>Balca pumosa</i>	N.H.F. 1.
<i>Clavella bidentata</i>	1-2.
<i>Purpura anglica</i>	1.
" <i>cylindrica</i>	1-2.
<i>Vertigo tillgeborji</i>	Only 2 dead shells seen at 1. In drift on lake shore.
<i>Succinea pfeifferi</i>	
<i>Anatula flavistella</i>	
<i>Acrotoma laurina</i>	Dead, common.

<i>Hyalina cellaria</i>	1-2
" <i>alliana</i>	1.
" <i>nitidula</i>	1-2.
" <i>pura</i>	1-2.
" <i>radiata</i>	1.
" <i>cyathina</i>	1-2.
" <i>fulva</i>	1-2.
<i>Zon. nitidus</i>	1.
<i>Limnaea peregrina</i>	1
" <i>palustris</i>	1
" <i>stagnalis</i>	Dead. 1.
" <i>truncatula</i>	1.
<i>Physa fontinalis</i>	1.
<i>Applanata hypnorum</i>	1. In drain by bridge over outlet. 1 <sup>st</sup> record for LE. See p. 209 also.
<i>Planorbis albus</i>	1
" <i>leucostoma</i>	1. With <i>a. hypnorum</i> .
" <i>contorta</i>	1.
<i>Valvata piscinalis</i>	
<i>Bith. tentaculata</i>	
<i>Sph. cornu</i>	
<i>Pisidium nitidum</i>	?
" <i>sublineatum</i>	

In the lake  
sponge: "



Poula-phona and Carrickmough, Dover  
Long Is., Lermanagh.

A. V. S. & N. H. J. 19-4-14.

- ① Cliff of Poula-phona, 700-1000 ft.  
② E. end shore of western quarry at Carrickmough.

<i>Agrio-egrotus</i>	1-2.
<i>Lima arborea</i>	1-2.
<i>Arion ater</i>	1-2.
" <i>subpurpureus</i>	1.
" <i>hortorum</i>	2.
" <i>circumscriptus</i>	2.
<i>Hydrobia cellaria</i>	2.
" <i>alluvialis</i>	1.
" <i>nitidula</i>	1-2.
" <i>pura</i>	1-2.
" <i>radiata</i>	2.
" <i>crystallina</i>	1-2.
" <i>fulva</i>	1.
<i>Helix rotundata</i>	1-2.
" <i>hiemalis</i>	1-2.
" <i>rufescens</i>	1. XXX. Many planted shrubs occur near by, with which it has probably been imported.

<i>H. lamellata</i>	2.
" <i>hemorhina</i>	1-2.
" <i>arbutum</i>	1. Abundant on slopes below cliff, & in gully, where a <u>Basalt</u> dyke has weathered out.
<i>Coch. lubrica</i>	1-2.
<i>Carychium</i>	1-2.
<i>Pupa anglica</i>	1.
" <i>cylindrica</i>	1-2.
<i>Clausilia laminata</i>	2. In scrub near quarry.
" <i>bidentata</i>	1-2. Abundant in gully above mentioned.
<i>Vertigo antivertego</i>	2.
<i>Succinea Pfeifferi</i>	2.
" <i>oblonga</i>	2. Abundant in quarry.
<i>Limonium peregrinum</i>	2.
" <i>truncatula</i>	2.
<i>Bith. tentaculata</i>	2.
<i>Sph. cornu</i>	2.

END OF EASTER TRIP. 1914.



Donaghadee, Down.

G. V. S. 25-4-14.

*L. maxim*

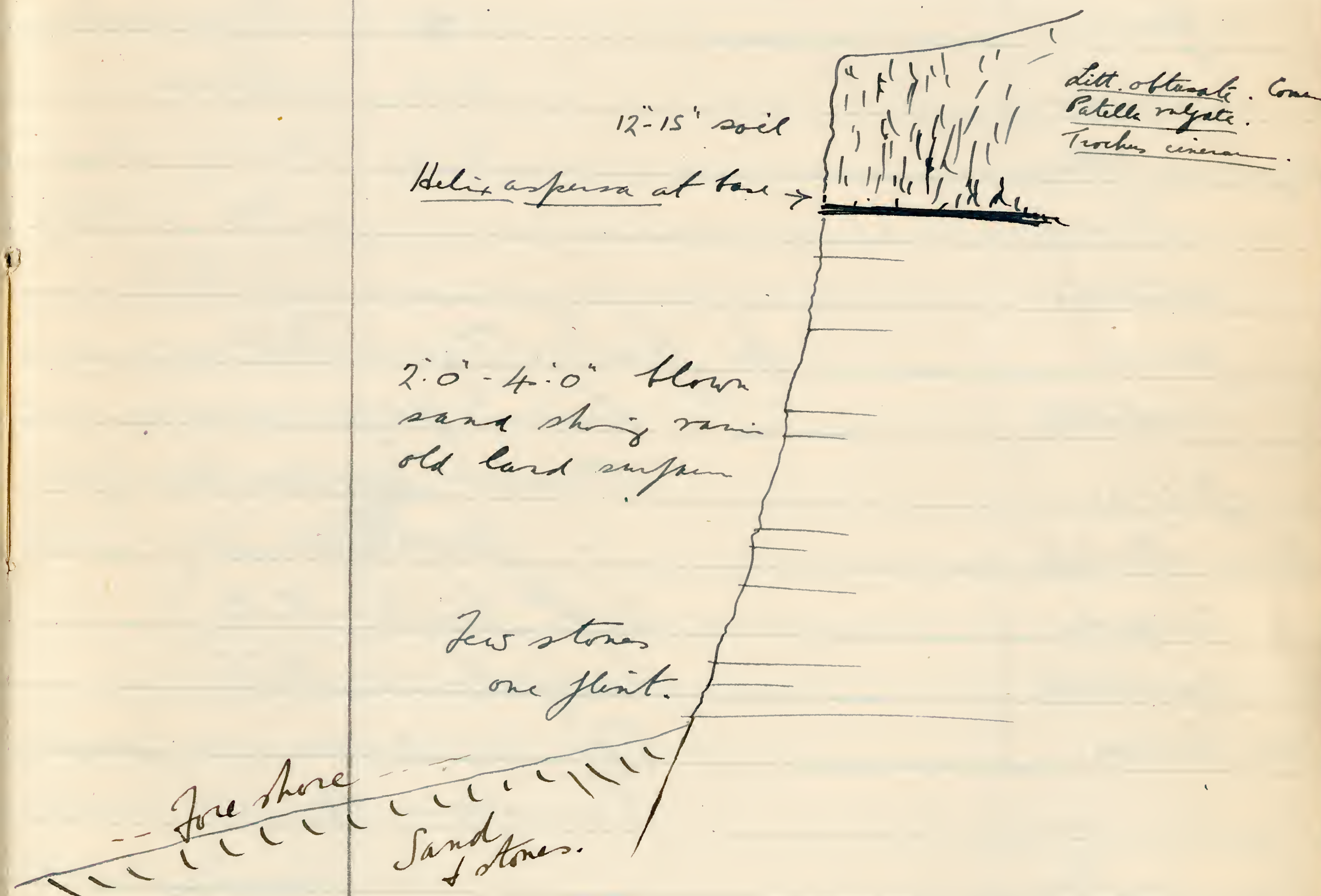
On sea wall & breakwater behind station. An almost colourless form with pure white sand down back, abundant at 4.30 AM, after rain. On station wall with above.

*L. maxim*

NOB. These were collected on the night when the Ulster Volunteer Force landed 55,000 rifles & ammunition at Larne, Bangor & Donaghadee. A performance which Mr. Asquith declared was an "unprecedented outrage" & yet found himself unable to punish the perpetrators.

Section of Sandy Cliff at Millisle just south of Presb. Rectory House, where old road is being washed away.

G. V. S. 26-4-14.





Belvoir Park, near Belfast, Down.

A.V.S. 16-5-14.

*Limax arborum*  
*Agri. apertus*  
*" laevis*  
*Arion ater*  
*" sulphureus*  
*" intermedius*  
*Hyalina cellana*  
*" alliana*  
*" nitidula*  
*" pura*  
*" radiatula*  
*" fulva*  
*Helix stans*  
*" limpidus*  
*" lamellata*  
*Coch. lubrica*  
*Carychium*  
*Pupa anglica*  
*" glauca*  
*A. bidentata*

In Galvally Pond.

*Limax peregrinus*

*Planorbis carinatus*

*" fontana*

*Bitt. tentaculata*

*Vatista cristata*

*Sph. cornu*

*Pisidium sp.*

393

running

'Hell's Hole' & northern cliff of  
 Benvenagh. Derry. A.V.S.  
 June, 1914.

(1) Hell's Hole. (2) Benvenagh.

<i>Limax arborum</i>	1 + 2.
<i>Arion ater</i>	1 + 2.
<i>" sulphureus</i>	1 + 2.
<i>Agri. apertus</i>	1 + 2.
<i>Hyalina alliana</i>	1.
<i>" nitidula</i>	1.
<i>" crystallina</i>	1.
<i>" pura</i>	1 + 2.
<i>Sph. edentata</i>	1.
<i>Helix stans</i>	1 + 2.
<i>" limpidus</i>	1 + 2.
<i>" nemoralis</i>	1 + 2.
<i>Carychium</i>	1.
<i>Clausilia bidentata</i>	1 + 2.
<i>Anagallis flaviventris</i>	1.
<i>Acicula lineata</i>	1.



Ballyholme River from sea to site  
of old lake, n. of Six Road End,  
now drained, <sup>near</sup> Banfor, Co. Down.  
A. W. S. 16-6-14.

*Agrio. apertis*

*A. laevis*

*Helix nemoralis* Abundant on a hedge of small  
'sherry' bushes almost all  
00300 rutella, which I find  
is a very common Co. Down  
form.

*H. aspersa* One or two with *H. nemoralis*.

*Luccinea pfeifferi* In bed of old mill dam flows  
inland road from Banfor to  
Donaghadee.

*Limnaea peregrina* In drains on site of old lake.

*L. palustris* Rare in drains.

*Planorbis alba* In drains & in drinking trough

" *spirorbis* Dead in mill dam.

" *umbilicata* Taken near Ballyholme by J. Balfour  
Brown on 8-5-09. Also in  
Hyndman collection, Belfast Museum  
from Ballyholme. Upon this

B. B. habitat must have  
been the next stream which  
now flows through the park at  
Banfor. Here I found it  
abundant in summer 1914 A.W.S.

day I saw none but think  
that in a wet season the  
species may still occur in  
the district about the mill  
dam above referred to. The  
Great Water Dock is very  
abundant in this spot.

*Physidina punctata* (?)

" *subtruncata*

" sp.

} In drains

394

Ballymacormack Point, Ballyholme  
Down. A.W.S. 18-6-14.

+ then were found on isolated 'islands'

*Agrio. apertis* +

also *Helix stansdota*.

*Arion sulcatus* +

" *barbata*

" *ater* +

" *aspersa*.

*Vitrea pellucida* +

" *pulchella* (? *costata*)

*Hydrobia ulia* + all type.

*Coch. lubrica*.

" *nitidula*

*Pal. stapulea* +

" *radiata* +

*Limnaea peregrina*. In pool.



Coast from Camalea to Bangor, Ariz.  
Aug. 20-6-14.

Arion ater.

"subprocess."

*Lima* *arbutum*

*Agris. apertis*

*Hyalenia nitida* D.

" *radiatula*

*Helix aspersa.*

*Claudioi fidentata*

I saw no trace of  
Holist virgata which is  
reported from here by R. J. Welch.  
W. Welch, a brother of the  
I have never believed that the  
specimen brought by the former  
came from here - A. W. S.  
1914.

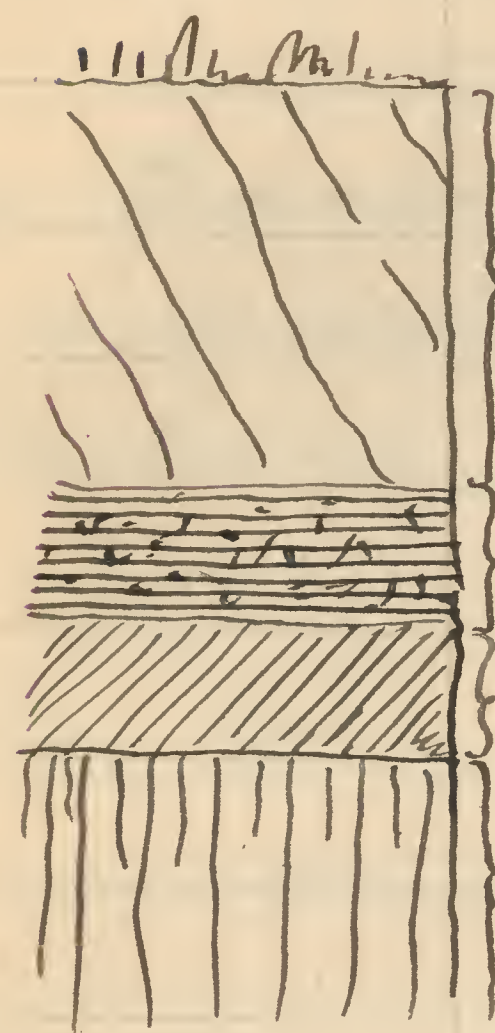
Shell Marl near Mayhastery,  
Antwerp. A. W. S. 21-6-14.

This mail was reported on by Prof.  
Isaac Swain in Irish Naturalist for

He got Linnaea percyi  
 Oenothera glabra  
 Pinus pusilla

395

Section of readers



level of meadows

-1:6" to 2:6" of red clayey soil. (?) Still-creeper.

Shell mark 1" to 7" or even 9" in places.

Blue clay 6" to 9"

Red sandy clay (?) top of Malone Sands  
or Trias.

From the mail I wished

*Agrio. laevis*

One Shell.

*Linum peregr.*

Frequent.

*L. palustris*

Fragments of what I found is a very large shell of this species; but A. S. Kennard thinks it is L. stagnalis.

*L. stagnalis*

One 'baby' shell.

*Planorbis glaber*

Abundant.

" *with*

Very true.

*Pisidium*

596

Griff from L. Reagh.  
 Lansing C.W.S. 25-7-14  
 G. T. Jones L. perger-  
 Sue. Pfeifferi Sph.-corner  
 B. tentaculata, B. nitida  
 Pis. amnicola  
 B. lillyborgii

396 A.

396A



Killard Point, Down.

A. U. S. 30-6-14.

In deposits in sand dunes.

*Helix hispida*, *H. barbara*, *H. nemoralis*,  
*H. aspersa* + *Collicopa lubrica*.

Living or recent dead.

*Vitina pellucida* D.

*Helix barbara*

" *nemoralis* Very many 00800 whells & tibellata  
very high spired.

" *aspersa*.

*Col. lubrica*.

*Pupa mucron.*

" *cylindrica*.

River Lough at Bridge where locks  
Downpatrick, Down. A. U. S. 30-6-14.

*Limnaea peregrina*, *L. truncatula*, *Planorbis carinatus*  
*Bithynia tentaculata*, *Valvata cristata*  
+ *Sphaerium corneum*.

Colbramer Lake, 3 miles south-east of  
Ballyvaughan. Down. A. U. S. 30-6-14

*Limnaea peregrina*

*Physa fontinalis*

*Bith. tentaculata*

*Sph. corneum*

*Pandora milium*

This lake looks quite  
good & there appear  
to be a great number of shells in  
it I saw this hard. A. U. S.

397

Little Deer Park, Glenarm, Antrim  
A. U. S. 22-7-14.

*Agriol. apertus*

*Philus fagata*

*Arion ater*

" *intermedius*

" *circumscriptus*

*Hyalina cellaria*

" *alliaris*

" *radiata*

" *crystallina*

*Helix rupestris*

" *rotundata*

100 ft. alt.

On chalk just above road.



Little Deer Park, Glenarm, continued

*Helix intermixta*

on chalk debris to 100 ft. alt.  
No doubt this is the 'coast road'  
habitat reported to R. J. Welch  
about 15 years ago by Robt. Patterson  
who gave Welch some shells of  
the species taken on "coast road"  
between Farnon Point & Larne

*H. nemoralis*

*H. hispida*

*H. arbustorum*

'Murlough Bay' form. Flat.  
Among nettles at base of  
basaltic cliffs, 450 feet alt.

*Acicula bidentata*

*Pupa glandum*

*Acicula lineata* 450 ft. alt.

Owencam Channel, Glenshark,  
Ballycastle, Antim. G.U.S. 2-8-14.

*Lima + arborum*

*Aprio. apertus*

*Arion ater*

" *myrmex*

Some quite decent lots of  
netter scrub occur in this  
glacial overgrown channel.  
G.U.S.

Chalk Quarry behind Ballycastle Village,  
Antim. G.U.S. 2-8-14.

*Arion ater*

*Hyalina cellana*

*Helix hispida*

" *nemoralis*

" *intermixta*

Discovered here by Charles Oldham  
in May 1913. Not seen here by  
Welch, Standen & party in 1897-1900,  
but may have been overlooked.  
Nowadays it is abundant.



## Horn Head, West Donegal.

A.W.S. 26-8-14.

*Agrio. agrestis**Arion ater**Hyalin. pura**Helix nemoralis**" aspersa.**" intermedia*

Abundant in 3rd sandy area. That nearest to the Horn. Also seen at Pollapool Bay.

*" itala**" turbaria.**Succinea Pfeifferi* 3rd sandy bog, north of Pollapool.

Marbles + sand dunes below Raymondscroghy Church, Falcarragh, W.D. A.W.S. 27/8/14.

*Agrio. agrestis**Limex. massim**" arborum**Hyalin. allicum**Helix nemoralis**" itala**" turbaria*

} Woods of Ballycounell House.

*Limnaea peregrina**" palustris**" truncatula**Aplecta hypnum*

Hitherto only recorded from Rosguill by Widd & on Irishmeane (J.N. Milne.)

*Planorbis leucostoma.**Valvata cristata*

Very abundant.

*Pisidium subtruncatum*

398.

Plants seen on  
Mud Rish at 1500 ft on  
north cliffs.

Sax. umbrosa  
" stellata

Impatiens  
Hymenophyllum

Polidago  
" aurea.

(not seen?)



Deposit near mouth of Rye River,  
Falcarragh, W. Donegal. A.S.  
27-8-14.

List of shells taken in  
deposits: north from  
2.0 horizon.

*Vitrea pellucida*  
*Helix pygmaea*

" *nemorali* seen in the gravel  
at base of dep.

" *hippida*

" *itala*

" *lutea*

" *rotundata*

" *pulchella*

" *costata*

*Coch. lutea*

*Carychium nigrum*

*Pupa muscorum*

*Vertigo pygmaea*

*Limnaea peregrina*

" *pallidula*

*Planorbis albus*

*Succinea piperi*

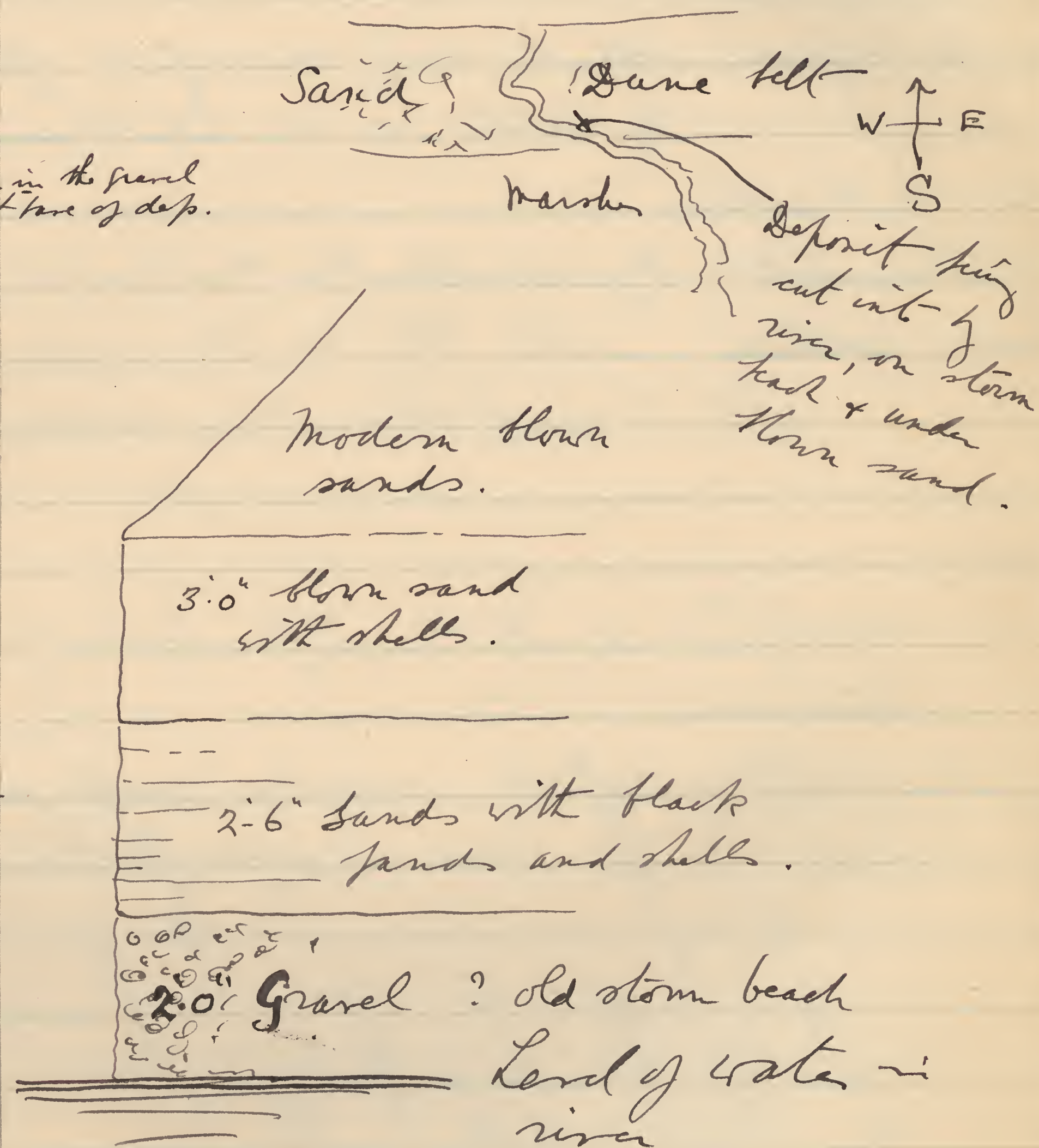
*Valvata piscinalis*

*Pisidium pusillum*?

" *nitidum*?

" sp.?

*Casertana*?



This is evidently a deposit formed of  
flood + wind blown material. The black  
bands in 2/6 horizon represent flood  
material.

Lough Tuill, 650ft., N. of Aghla beg,  
W. Donegal. A.W.S. 28-8-14.

*Limnaea* sp.? One full grown specimen, many young  
+ eggs under stones with fresh water  
sponges (Het. <sup>ryderi</sup>?). Unfortunately  
the tub containing the shell was lost  
in crossing by on way home.  
I am confident, however, that it  
is referable to *L. praetensis* Bosc.

Lough Aluig, 850ft. alt., E. of Aghla beg,  
W.D. A.S. 28-8-14.

A deep lake with shallow <sup>stone</sup> edge. No mud.

*Limnaea*  
*peregrina* A few of *Limnaea* almost  
identical with that found in  
Lough Salt further east, but  
some shells are very like the  
Scottish *L. turnerianae* type.

*Pisidium* sp.? One dead, broken, shell. Like *P. lilliputianum*  
*Union* ~~intermedia~~ } at south end of lake, among  
*Hyalina alisma* } *Lugula*.

400



Lough Ladreegar, 1100ft. alt  
 E. of L. Alair. V.D. 28-8-14  
 A shallow lake almost filled up  
 with stones & peat deposit.

No shells found by me.  
 I think I saw Lekia dortmanni  
 in this lake.

Plants seen  
 on 28-8-14.  
 Above L. Alair (1 plant)  
 Rubus saxatilis (1 plant)  
 Selaginella selaginoides  
 Antennaria dioica Mill.  
 near L. Alair (3 species abundant).  
 on bog Drosera rot. dominant in place.  
 Juniperus communis  
 Calluna vulgaris  
 ? Juniperus communis

Falcarragh District, West Downgal  
 A.V.S. 24/29 - 8 - 14.

Agrio. apertus  
 Limax naevius } p. 236.  
 " arboreus

Arion ater  
 " intermedius  
 Hyalinia allium  
 " nitidula  
 " pura.  
 " radiatula  
 " crystallina

Helix sturdata  
 " pulchella

" rufescens  
 " nemoralis  
 " italica  
 " Martini

Certh. lubrica  
 Cerythia minima  
 Clausilia bidentata  
 Vertigo pygmaea

Also Succinea Pfeifferi  
 Limax peregrinus  
 " palustris  
 " truncatula  
 Apleta hypnorum  
 Planorbis laevis  
 Valvata cristata  
 Pindia subtruncata  
 (401) duplicate  
 No. 398.

One dead shell in 'mud' ditch opp.  
 Ray Church.



September Trip, 1914.  
A. W. S. & M. D. S.

Near Mallows, East Cork.  
10th & 11th Sept.

<i>Lima flavus</i>	Abundant on wall by road leading up to station.
<i>Helix aspersa</i>	" " "
" <i>rufescens</i>	Roadside south of Mallows.
" <i>costata</i>	" " "
" <i>reptans</i>	" " "
" <i>rotundata</i>	" " "
" <i>hippida</i>	" " "
<i>Pupa cylindrica</i>	" " "
<i>Clavaria hirsuta</i>	" " "



Along shore, east side of Single Harbour  
near Black Point, South Kerry.

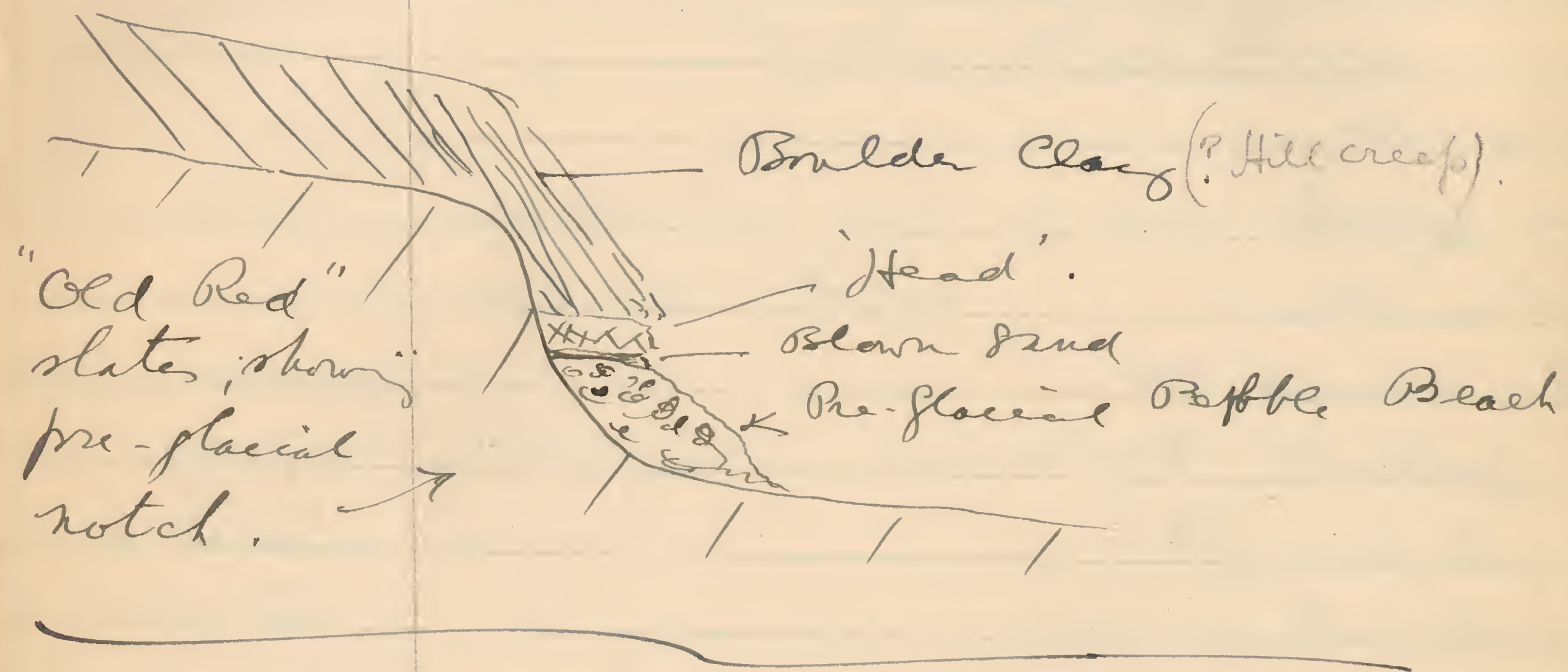
12-9-14

Those marked \* were also seen fossil in the  
sand along coast.

<i>Lima aspersa</i>	
<i>Agriolimax</i>	
<i>Hydrobia ulvae</i>	
<i>Helix rotundata</i>	*
" <i>pulchella</i>	*
" <i>italica</i>	*
" <i>intersecta</i>	
" <i>nemorali</i>	*
" <i>aspersa</i>	
<i>Cost. lubrica</i>	*
<i>Vertigo pygmaea</i>	
<i>Pupa muscorum</i>	a few alive under stones near old trees.
" <i>anglica</i>	By stream.
" <i>cylindrica</i>	Type + var. <u>anconostoma</u> common by trees under the same fallen stones
<i>Clavaria hirsuta</i>	*
<i>Balea perrana</i>	



At the southern side of the entrance to Dingle Harbour there is a good section showing the pre-glacial raised-beach.



Roadside (To Connor Hills) for 2 miles  
N. of Dingle, SK. G.W.S. 12-9-14.

*Limnaea stagnalis*

*Anomia*

" *intermedia*

*Helix rufescens*

" *intersecta*

" *venusta*

" *aspera*

*Pupa cylindrica*

*Clavella*

near town only

Coast from Ventry east to Doon, SK.

G.W.S. 14-9-14.

*Limnaea stagnalis*

*Anomia*

" *intermedia*

*Hyalina cellaria*. Under stones on the cliff at 400 feet

" *alliana* above Doon.

" *pura*

*Helix rotundata*

" *itala*

" *virata*

" *intersecta*

" *barbata*

" *venusta*

" *aspera*

*Corb. labris*

*Carychium*

*Clavella*

*Pupa cylindrica*

*Vertigo pygmaea*

*Succinea*

Note. Under the sand at Ventry Bay there is submerged peat, with *Pholus* borings.



Carrigblagger Cliff and west shore

Limax artem of Lough Anseaul, SK. A.H.S. 15-9-14.

Agrio. agrestis

Arion ater.

" intermedius

" circumscriptus

Vitrina pellucida D.

Hyalina alliana

" nitidula Var. helvi.

" pura.

" crystallina

Helix rotundata

" nemoralis

Among Lep. umbrosa on cliffs.

Pupa anglica

" cylindrica

Clavella pidentata

Ballintaggart, near Dingle. A.H.S.

16-9-14.

Agrio. agrestis

Limax artem

Milax sovatzki One in ruins of cottage.

Arion ater.

" rufescens

One young spec.

Hyalina cellaria

" alliana

" crystallina

Helix rotundata

" rufescens

" intersecta

" aspersa

" nemoralis.

With Milax sovatzki - Also on ditch tops

Enormous number of yellows, 00345 + 00300 at port opposite Reen beg on cliff near landing place. Only two red specimens seen here.

Pupa cylindrica

Vertigo pygmaea

Bala perrusa.

Clavella pidentata.



Swanwick Bay<sup>①</sup> and Ferriter Core<sup>②</sup>  
 S.K. A.S. 17-9-14.

*Agrio. agrestis*  
*Milax gagate* 2.  
*Arion ater*  
*Vitina pellucida* 1. on dune under stone

*Hyalina alleani*

" *nitidula*

*Helix stansdali*

" *pulexella*

" *itala*

" *vrijata* to 250 feet

" *barbara*

" *internata*

" *remorata*

" *aspara*

Very abundant.

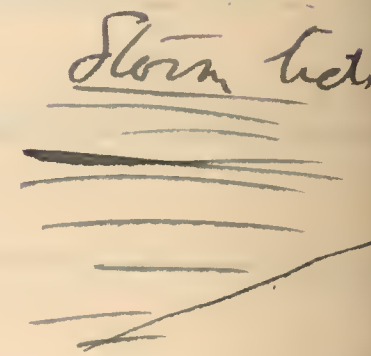
*Coch. lubrica*

*Pupa cythra*

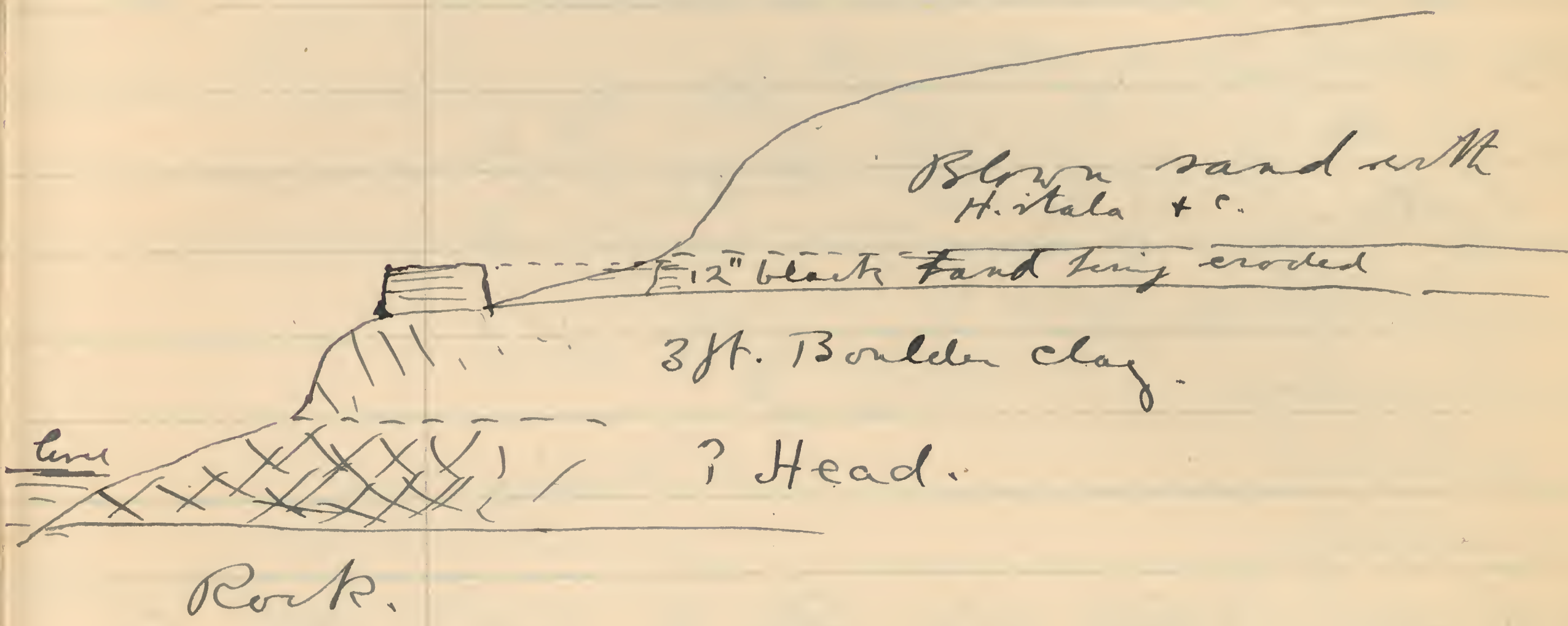
*Clausilia bidentata*

*Vertigo angustior*

Three shells under a stone on dune north of Ferriter Core.



Holocene deposit at Ferriter Core, S.K.  
 G.W.S. 17-9-14.



Shells from above 12 inch "black sand".

*Milax* sp? A shell that looks like *M. gagate*

*Arion* sp. (A.S.K.)

*Hyalina alleani*

" *nitidula*

" *pura*

" *radiata*

" *agrestis*

" *pulex*

*Helix stansdali*

" *pulexella*

" *pygmaea* (A.S.K.)

" *aculeata* (A.S.K.)

*Helix remorata*

*Coch. lubrica*

*Carychium*

*Clausilia bidentata*

*Pupa anglica, cythraea + Murex*

*Vertigo pygmaea*

" *angustior*

*Acicula tenesta*

And marine shells including *Patella*.



Burnham Woods, Dingle, ST.  
A.S.S. 18-9-14

*Limax arboreus*  
*Agriolimax agrestis*  
*Milax sovietzi*  
*Arion ater*  
" *bertensis*  
" *circumscriptus*  
*Hyalina alba*  
" *nitidula*  
" *crystallina*  
*Triton*  
*excavatus*  
*Helix rotundata*  
" *lispida*  
" *rufescens*  
" *memoralis*  
" *aspera*  
" *pulchella*  
*Coch. lubrica*  
*Pupa anglica*  
" *cylindracea*  
*Clausilia bidentata*  
*Carychium minus*

On mixed bridge

Type only. Common under rotten logs  
near end of old bridge.

On bridge  
In plantations locally.

} Both on bridge

On Sleircanea, east of Connor Hill, Dingle  
ST. A.S.S. 19-9-14.

*Limax arboreus*  
*Arion ater* } Common to 1900 feet alt.  
On this day I got *Hermonia flavicornis*  
the Centipede record, and also a  
3rd fresh record of the Spider taken  
male specimen of the male cone taken  
the first male cone taken  
according to D.R. Park. Bessford.

Neighborhood of Dingle, Workhouse and  
The farm, ST. A.S.S. 20-9-14

*Limax maximus* The farm. Also  
" *arboreus* *Helix lispida* (rare)  
*Milax sovietzi* The farm. " *pulchella*  
*Agriolimax agrestis* " *aspera*  
*Arion ater* " *memoralis*  
" *rufescens* The farm. *Pupa cylindracea*  
" *circumscriptus* *Vertigo pygmaea*  
*Hyalina alba* The farm. *Clausilia bidentata*  
" *cellaria* *Carychium minus*  
" *radicata*  
*Helix rotundata*



Shells washed out of 'Blown Sand'  
in dunes on South Shore of Dingle  
Harbour, near Old Water Tower, St.  
A. U. S. 21-9-14.

*Hyalina crystallina*  
*Helix pulchella*  
" *itala*  
*Coch. lubrica*  
*Pupa marcon*  
" *cythraea*  
*Vertigo pygmaea*  
" *angustior*

Burnham Woods, Dingle, St.  
A. U. S. 21-9-14.

*Linnaea maxima*  
" *arvensis*  
*Milium fagatum*  
*Agrostis agrostis*  
*Anthriscus*  
" *hortensis*  
" *intermedia*  
" ~~officinalis~~  
" *circumscriptus*

*Hyalina cellaria*  
" *alliana*  
" *nitida*  
" *pura*  
" *crystallina*  
*Jon. encusata*  
*Eucosmia pulchra*  
*Helix rotundata*  
" *hispidula*  
" *reflexa*  
" *remorata*  
" *cupressa*  
*Coch. lubrica*  
*Angitia minima*  
*Clavella bidentata*  
*Pupa aglyca*  
" *cythraea*



Gorge of the Finglas River, Camp  
near Castlegreary Junction, S.K.

A.S. 22-9-14.

*Limax maximus*

" *arvensis*

*Nitidulites* *smithi* Very common & very big near <sup>N.</sup> end of  
plantation.

*Agriolimax* *agrestis*

*Arion* *ater*

" *rufus*

" *intermedius*

" *hortensis*

" *circumscriptus*

*Hyalinaria* *cellaris*

" *alluvialis*

" *nitidula*

" *pumila*

" *radiatula*

" *crystallina*

*Lim. excavatus* A typical species on Finglas grass.

*Helix* *strobilata*

" *reflexa*

on *Luzula* & c. in woods; but  
also on ditch & c. as far as road  
to Dingle.

*Helix* *granulata*

Abundant in woods on *Luzula* & c.

" *memoralis*

" *aculeata*

*Coch. lubrica*

*Carychium* *min.*

*Balea* *pennsylv.*

*Clanwinia* *hidulata*

*Pupa* *argyrea* Very common.

" *cythra*

*Acicula* *lineata*

Owenmore, above Cloughan, S.K.

A.S. 25-9-14.

*Lim. peregrinus* In pools flooded by river 'Lake' from.

*Anagallis* *flavescens*

*Margaritana*

*margaritifera*

*Lymnaea* *stagnalis* Common in Pools

*Limnaea* *peruviana*

*Physa* *intertexta*

H. D. S.



Brandon Mountain, S.K.  
25-9-14

*Limnaea* *arborescens* Var. *rupicola*. To 2,500 feet to summit. This is the slug which puzzled us on former visits & was mistaken by Mr. Welch & myself for a black *Melampus*.

[No sign of *Limnaea cinerea* - never recorded by J. R. & B. Tomlin. J. C. 1910.]

*Unio* *ater* to summit.

" *mutabilis* at 2200 feet.

" *intermedia* at 1800 feet.

*Hydrobia* *pura* } at 1700 feet.  
" *crystallina*

*Lemna* *truncatula* Apr. Faba at 1500 feet.

*Amegilla* *flavipes* In top lake, 2300 ft.

*Prisidina*

See Vol. II

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missing

257  
Fermoyle Wood, near Clifton, S.K.  
A-U-S. 26-9-14.

*Limnaea* *maxima*

" *arborescens*

*Melampus* *ornatus*

*Agabus* *apertus*

*Hydrobia* *cellaria*

" *nitidula*

" *pura*

" *crystallina*

*Helix* *stans*

" *liripida* (a few only).

" *aculeata*

" *lamellata*

" *itala*

" *intersecta*

" *memorabilis*

" *aspera*

*Coch.* *lubrica*

*Cyprina* *rimosa*

*Planorbis* *fidicincta*

*Vertigo* *pyrum*

*Pupa* *argyrea*

*glabra*

*Acicula* *lineata*

Along road.

On roadside.

On roadside.



Lough Arman, 500 feet alt,  
near Cloham, ST. A.V.S. 27-9-14.

Arion ater

Linnæa purpurea of the usual local lake form.

No sign of Arctostaphylos.

Found the following plants on cliffs above  
Lough Arman.

*Polygala vulgaris*

" *grandiflora*?

*Selaginella selaginoides*

*Agrostis dijona*

*Scirpus flexuosus*

" *umbrosus*

*Trichomanes radicans*. At base of left hand waterfall  
under a large rock with ash tree growing  
above it. 3 plants.

*Hymenophyllum wilsoni*

*Lactuca acutula*

*Pinguicula grandiflora*

*Ledum Rhodiola*

Hazel, Holly, Ash and Mt. Ash on the  
cliff.

also *Protea laevis* sp.  
*Utricularia* sp.  
*Lobelia Dortmunda* } lake

Found the  
above *Yucca*  
*Alchemilla*  
*Rubus* *monticola*

Clogharea Lough, below Connor Hill,  
ST. A.V.S. 25-9-14.

*Linnæa purpurea*

*Pinguicula* sp.

402

On the way down from Connor Pass to the  
lake are several 'bee-hive' huts  
in ruin.

Hill Villa Wood, near Kileammin, east  
of Cloham on road to Castleprey.  
ST. A.V.S. 28-9-14.

*Linum catharticum*

" *catenatum*

*Agrostis apertior*

*Arion ater*

" *rufum*

" *intermedium*

" *irregularis*

*Hyalineis albicans*

" *nitida*

" *pusilla*

Pale steel blue specimen seen.

Rare.

Common.

V. rare.



Kilcummin Woods, continued

*Hyalina radialis*

" *crystallina*

*Lim. excavatus*

All var. *nitida*. Very abundant  
+ with *H. rotundata* + *P. applan* the  
commonest shell in the woods.

*Purpura pyrum*

One shell.

*Helix rotundata*

" *hemorali*

*Coch. lubrica*

*Carychium mini*

*Claustro. hibernica*

*Pupa applan*

" *cylicum*

END OF KERRY TRIP 1914.

Gravel-pits by railway, near Hordstown  
Donaghadee, Co. Down. A.S. 20/11/14

*Limnaea peregrina* A very high spired form.

*Pisidium caeruleum* Shell, thin!

" *nitidum* Large, thin + v. striate! (H03A)

" *milium* One small, very ornate shell!

✓ Ver. by  
A.W.S.  
2/12/24!

Portaroe Demesne, near  
Donaghadee, Down.

A.W.S. Jan. - May, 1915.

*Limnaea maximus*

Common + evidently native.

" *arbutum*

Frequent.

*Agriol. applan*

Common

" *laevis*

About the lake.

*Arion ater*

Common.

" *sulphureus*

" *intermedius* Rare

" *hortensis* Rare

" *circumscripta* Common.

*Hyalina cellaria* Frequent.

" *albicornis* Common

" *nitidula* Rare.

" *radiatula* Rare

" *pura* Common.

" *crystallina* Common; a large conical form.

" *fulva* Common.

*Helix rotundata* Common.

" *herpida* Frequent, not common.

" *aculeata* One specimen.

" *hemorali* Rare.



Portero continued

- Coch. lubrica*. Rare.  
*Cerythrum minimum* Frequent.  
*Clavus bidentatus* Common; small form.  
*Balea perversa* Rare.  
*Pupa anglica* Common in places.  
*" cylindrica* Frequent.  
*Vertigo substriata* Several.  
*Acicula lineata*. Rare.  
*Succinea Pfeifferi* Near ponds.  
*Limnaea pereger* In mill dam.  
*Planorbis altus* " " "  
 " [glaber] Recorded from pond at Portero  
 by Wm. Thompson. Not seen  
 recently, but probably not  
 extinct in the serpentine lake.  
 " contorta In mill dam.  
*Sph. vireum* " " "  
*Cisidium pumilum* as noted.

404

Also *Vitrea pellucida*  
 on 16-1-16.

On coast at Portero, Do.  
 Jan. May. 1915.

- Orion intermedius*.  
*Helix pulchella*.  
 " *aspera*  
 " *barbara*  
*Vitrea pellucida*
- All common but local.



1870 - 1871

1871 - 1872

1872 - 1873

1873 - 1874

1874 - 1875

1875 - 1876

1876 - 1877

1877 - 1878

1878 - 1879

1879 - 1880

1880 - 1881

1881 - 1882

1882 - 1883

1883 - 1884

1884 - 1885

1885 - 1886

1886 - 1887

1887 - 1888

1888 - 1889

1889 - 1890

1890 - 1891

1891 - 1892

1892 - 1893

1893 - 1894

1894 - 1895

1895 - 1896

1896 - 1897

1897 - 1898

1898 - 1899

1899 - 1900

1900 - 1901

1901 - 1902

1902 - 1903

1903 - 1904

1904 - 1905

1905 - 1906

1906 - 1907

1907 - 1908

1908 - 1909

1909 - 1910

1910 - 1911

1911 - 1912

1912 - 1913

1913 - 1914



On farm at Ballymallee, or near by,  
Bangor, DO. Jan. Dec. 1915.

- Agrio. apertis.* Common.  
*Limax maximus.* Common. ? native, but perhaps NN\*.  
 " *actvum* Frequent about hedges.  
 " *flavus* About the house &c. An obvious alien.  
*Milax gagates* In garden; come with plants?  
*Arion ater.* Frequent  
 " *suffusus* "  
 " *intermedius* Common in fields & hedges.  
 " *hortensis* Common, but mainly in garden.  
 " *circumscriptus* Common  
*Vitrea pellucida.* Very common under white bushes in fields, in December.  
*Hyalinia cellaria* About house & garden, not native!  
 " *nitidula* Rare, about ditches.  
 " *allearia* One in Johnston's place, top field.  
 " *radiatula* One by the Paddock pond.  
 " *crystallina* Frequent.  
*Helix rotundata* Common.  
 " *lirpida* Frequent.  
 " *venusta* Frequent.  
 " *aspera* About the house & garden, not native!

- Bufo cylindracea* Rare, a few in fence.  
*Bufo ferrugineus* Frequent, in fence.  
*Vertigo pygmaea* One in old willows bog. 9.10.15.  
*Limnaea truncatula* By the Paddock Pond.  
*Columella edentula* A few in the fence.  
*Planorbis leucostoma* Very abundant in both ponds.

- Bufo arcticus* In hedge along old lane to Primsey.

- Milax gagates* Looked native! One specimen  
*Agrio. apertis*  
 " *caesia*.  
*Arion ater*  
*Helix rotundata*  
*Vertigo pygmaea*  
 " *antivertigo*  
*Limnaea truncatula*  
 " *peregrina*
- } All common but, *M. gagates*  
 by the brick ponds.



Carnegie Sord, 400, to 700 feet alt,  
DO. A.W.S. August - December 1915.

<i>Limax maximus</i> .	Common. Very spotted form occurs.
" <i>arborum</i> .	Common.
<i>Agriolimax</i>	"
<i>Arion ater</i>	"
" <i>rufescens</i>	"
" <i>intermedius</i>	"
" <i>hortensis</i>	Frequent, one very dark specimen.
" <i>circumscriptus</i>	"
<i>Hyalina alba</i>	Common.
" <i>nitida</i>	Rare.
" <i>crystallina</i>	Common.
" <i>fulva</i>	Several.
<i>Helix rotundata</i>	Common.
<i>Pupa anglica</i>	Rare.
" <i>glabrata</i>	"
<i>Coch. lubrica</i>	"
<i>Colymbella edentata</i>	Common.
<i>Clausilia bidentata</i>	?
<i>Balea perversa</i>	Frequent.

Mill-dam Glen, near Bangor, DO.  
A.W.S. 12-9-15.

<i>Agriolimax</i>	
<i>Arion ater</i>	
" <i>rufescens</i>	
" <i>intermedius</i>	
" <i>circumscriptus</i>	
<i>Vitrina pellucida</i>	
<i>Hyalina alba</i>	
<i>Helix rotundata</i>	
" <i>fulva</i>	
<i>Coch. lubrica</i>	
<i>Colymbella edentata</i>	
<i>Clausilia bidentata</i>	A very small form.
<i>Balea perversa</i>	



Beech Woods, Malone House, near Belfast,  
A.N.  
G.W.S. 21-12-15.

*Limax maximus*  
" *arborum*.  
*Arion ater*  
" *rufus*  
" *hortensis*  
" *circumscriptus*  
" *intermedius*.

*Agriolimax agrestis*.

*Eucorula fulva*.

*Punctum pygmaeum*

[Very often common in winter]  
In extraordinary abundance on fallen  
leaves, beech & elm, & on twigs &  
branches [very wet weather]. I counted  
17 on one stick.

*Helix rotundata*

*Claustilia pidentata*.

*Colanella edentata*

271  
Drumbo Glen, DO. G.W.S. 22-12-15.

*Limax arborum*.

" *maximus*.

*Agriolimax agrestis*.

*Arion ater*

" *rufus*

" *intermedius*

" *circumscriptus*

*Hyalinaria cellaria*

" *alliarum*

" *pura*.

" *radiatula*

" *crystallina*.

*Punctum pygmaeum*

*Helix rotundata*

" *lurida*.

*Colanella edentata*

*Pupa anglica*

*Corychus minimus*

*Claustilia pidentata*

*Bulca pumila* the tiny shell.

*G. lamellata* & *G. brevis*  
not seen on this occasion,  
but their habitats were  
not worked. G.W.S.

Common under fallen leaves.



Shore at Ballymacormick Point, Bangor, DO.

A. W. S. 28-1-16.

*Oratella bidentata* Very abundant with nest at half-tide mark.  
*Otina otis* One "family" consisting of two adults & about 10 small ones.

Note I found the above shells when searching for the False Scorpion *Obisium maritimum*. A short paper on this association by me was read at a meeting of the Mal. Soc. London in June 1917.

Carnaguen Woods, DO. A. W. S. 13-2-16.

*Psidium persimile* Under log in wet swampy place in the wood.

405

Same locality.

A. W. S. 2-4-16.

*Limax maximus*  
 " *artorum*  
*Agrio. agrestis*  
*Arion ater*  
 " *subfuscus*  
 " *circumscriptus*

*Hyalina alliarum*  
 " *crystallina*  
*Sph. edentulaceus*

" Tower View, Ballymoe, Bangor, DO.

A. W. S. 8-4-16.

*Milax pupata* } Both by the old manure heap in  
 " *sovatzkyi* } quarry field.

Ballymacormick Point to Groomport, DO.

A. W. S. 27-4-16.

*Agrio. agrestis*  
*Limax maximus*. Groomport.  
*Arion subfuscus*  
 " *intermedius*  
 " *circumscriptus*  
*Vitrea pellucida*  
*Hyalina alliarum*  
 " *pura*  
 " *crystallina*  
*Helix pygmaea*  
 " *pulex*  
 " *hispidus*  
 " *barbata*  
 " *aspera*  
 " *nanorali*  
*Coch. lubrica*  
*Pupa cylindracea*  
 " *muscorum*. By the lime kiln: one dead shell.

By the old lime kiln near Groomport.



Ballymacormick Pt. to Groomsport continued.

*Balea perversa* Very common on walls & round the old lime kilns.

*Lemnaea peregrina*  
" *truncatula*  
*Aplectes hypnum*  
*Planorbis cristatus*  
" *leucostoma*  
*Pisidium caesatum*

All in small pool on the Bangor side of the Point.

406

Collected for me near Kilkeel, Co. Down.  
by Nevill H. Foster Esq. 21-4-16.

- 1. In Mourne Park.
- 2. By the coast at Kilkeel.

<i>Limax maximus</i>	1.	
" <i>arborum</i>	1.	
<i>Agriol. agrestis</i>	1.	
<i>Arion ater</i>	1.	
" <i>hortensis</i>	1.	
<i>Vitrina pellucida</i>	1.	
<i>Hyalina cellaria</i>	1.	
" <i>nitidula</i>	2.	
" <i>albina</i>	1.	
" <i>pura</i>	1.	
" <i>crystallina</i>	1.	

		<i>Helix rotundata</i>	1.
		" <i>rufescens</i>	1.
		" <i>neurolepis</i>	2.
		" <i>aspersa</i>	2.
		<i>Cochlicopa lubrica</i>	1.
		<i>Pupa cylindrica</i>	1.
		" <i>anglica</i>	1.
		<i>Clausilia bidentata</i>	1.

Carrigara Woods, DO.

A. U. S. 30-4-16.

*Agriol. agrestis*  
" *laevis* Very pale coloured.  
*Limax maximus*  
" *arborum*  
*Arion ater*  
" *rufescens*  
" *intermedius*  
" *hortensis*  
" *circumscriptus*  
*Hyalina allia*  
" *fulva*  
*Helix rotundata*  
*Sph. edentulum*

Lagar Valley to 2nd Lock, Belfort, AN.  
A. U. S. 13-5-16.

*Arion ater*  
" *hortensis*  
" *intermedius*  
*Hyalina allia*  
" *radiatula*  
" *crystallina*



## Lagan Valley continued. AN.

*Eucomula fulva*.*Helix retundata*" *pulexella*.*Coch. lubrica*.*Carychium minimum**Pupa anglica*.*Vertigo pygmaea*." *antivertigo*.*Succinea putris*" *pfeifferi*.*Limnaea pereger*." *palustris*.*Physa fontinalis**Planorbis carinatus**Valvata piscinalis**Bith. tentaculata**Sph. cornu*." *lacustris*.*Pisidium ~~nitidum~~*." *nitidum*." *hibernum*.

"

In the ruins of the old pumping station.

Opposite the Boat Club-house.

*personatum*. In willow swamp beside dam.

In the river.

In dam (407) and in old water  
course above tow-path.

## Torrent River Valley, Co. Tyrone.

B.W.F.C. Excursion. 3-6-16. A.U.S.

*Limnaea maxims*" *artem.**Agri. agrestis*.*Anis. ater*

Brown &amp; black form.

" *intermedius*.

In old brick works near Coalisland.

" *hortensis*" *circumscripta**Vitrina pellucida*

Dead.

*Hyalina alba*" *cellaria*[No *H. nitidula* seen]" *pura*." *radiatula*

N.H. Foster.

" *crystallina*" *fulva*.*Helix retundata*" *pulexella*Several under stone in old lane near  
the Aqueduct. N.H. Foster." *aculeata*." *fusca*.

In Murray's wood.

" *hirpida*" *venusta*.



## Torrent Valley continued.

*Col. lubrica*.*Carychin mini**Classilla bidentata**Columella edentula**Vertigo pygmaea*.*Acicula lineata*.*Limnaea pereger*. 3." *palustris* 2." *truncatula* 2.*Physa fontinalis* 3.*Planorbis carinatus* 3." *contorta* 2.*Bith. tentaculata* 3.*Valvata cristata* 3." *piscinalis* 3.*Sph. cornu* 3." *lacustris* 3.*Planorbis mthanae* 1 + 3." *nitida* 1 + 3." *nitida* ?

Torrent River = 1.  
 Aqueduct = 2.  
 Canal at  
 Coal Island = 3.

Torrent River  
 Canal at  
 Coal Island

408

409

## Cotton Moss, near Donaghadee, DO.

A. W. S. 15-6-16.

*Limnaea pereger*.*Planorbis creta* Very abundant in *Scirpus fluitans*  
in roadside ditch.

## Carrigrohane Woods, DO.

A. W. S. 25-6-16.

*Agriol. laevis**Hyalina radiatula**Pisidium* Under logs again. See 4081

## Rocks and Scrub in Lough Haroon district,

Co. Antrim. B. N. F. C. 1-7-16.

*Limnaea artem**Agriol. aperta**Anis. ater* Black. All over bog." *intermedia*" *circumscripta**Hyalina pura*" *nitidula* var *helmi*.*Helix stans*" *aculeata**Col. edentula*

For list of  
 moss  
 shells from  
 D. T. O.



Moss shakings from L. Karoon district.

AN. A. W. S. 1-7-16.

*Hyalina radiatula*

" *alliana*.

*Coch. lubrica*.

*Punctum pygmaeum*

*Pupa anghica*.

" *cylindracea* Var. edentata.

*Carychium minus*

Windy Gap, Black Mt., Belfast, AN.

A. W. S. 22-7-16.

*Agrion agrestis*

*Arion ater*.

*Hyalina cellaria* Very large, as usual.

" *alliana*

" *nitidula*.

" *pura*.

" *radiatula*

" *crystallina*

*Helix rotundata*

" *hispidula*.

" *remorata*.

} Junior B. N. F. C. Ex. but  
did not look specially  
for shells.

Also. *Helix pulchella*. One shell  
1/4 east of mouth of Glen  
on chalk slip.

*Coch. lubrica*.

*Clausilia bidentata*.

*Amyclon flavitili*.

Mill-dam Glen, S. of Bangor. DO.

A. W. S. 1-10-16.

*Eucomula fulva*

*Hyalina alliana*

" *crystallina*

Went to the White Bog, for marl, with J. A. S. Stendall.  
See Marl register! 20-10-16.

Killough District, DO. A. W. S. + J. A. S. S.

*Agrion agrestis*

20-10-16.

" *laevis*.

One nearly black in White Bog.

*Limax maximus*

*Arion ater*

Var. reticulata along coast, as usual.

" *circumscripta*

*Hyalina cellaria*

Also. *Coch. lubrica*.

" *alliana*

*Clausilia bidentata*.

" *pura*.

*Pupa cylindracea*

" *radiatula*

*Limax pergeri* in

" *crystallina*

1" deep drain by the

*Helix rotundata*

cut road under the

" *hispidula*

then a marl vein

" *remorata*

forming!!!

" *aspera*.



Old field Quarry between Ballynaglee  
& The Primacy where feranium  
columbinum grows. DO.

G.W.S. 22-10-16.

Punctum pygmaeum

Upper Colins Glen, Belfast Hills, AN. 31-10-16.

Limax arborum

Agris. agrestis.

" laevis.

Anion hortensis

" circumscripta

Vitruis pellucida

Hydrobia alliana

" nitidula Very common.

" pura.

" crystallina

" fulva.

Helix pygmaea.

" retundata

" pusca.

also, Helix hispida.  
" lamellata.  
" arbutorum

Coch. lubrica.

Carych. minus.

Clamidia bidentata.

Purpa anglica.

" cylindracea.

Col. edentula.

Ballygrainey Slate Quarries, near Bangor, DO.  
G.W.S. 4-2-17.

Vitruis pellucida

Punctum pygmaeum

Vertigo anglica

Purpa cylindracea

" anglica? 1 dead young shell, almost certainly this  
specimen.

Mill-dam Glen, Bangor, DO. G.W.S.

23-3-17.

Limnaea palustris

" truncatula By the main road, in a spring, opposite  
Sam Moore's House, with P. personatus

Aplecta hypnum

Planorbis leucostoma

Pisidium casertanum With L. palustris & rust.

" personatus With last & other places.

" subtruncatula Edge of stream.

From this date  
onwards the  
Pisidium are  
mostly  
young -  
thus 17-1  
17-2 &c!

Tower Vies, Ballynaglee, Bangor. DO. 30-3-17.

Punctum pygmaeum Dead. On fence at Johnston's Lane.



Old Mill-dam & flux-dams south of  
Ballyholme, Bangor, DO. 3-6-17.

- Limnaea pereger*. Dead shell in stream.
- " *truncatula* Flux dam at the "Home".
- Planorbis leucostoma* Dead shell in stream.
- " *contorta* Flux dam. Common.
- Pisidium casertanum* Mill race.
- " *punctum* Many found in mill race & stream above dam.
- " *subtruncatum* Mill race.

Also.

- Helix rotundata*
  - Carychium uncinatum*
  - Anisus rotundifolius*
  - Apis. agrestis*
- } On edge of flux dam.

& Burn

Ballyree Marsh, 1/4 N. of Ballygrainy Quarrs,  
near Bangor, DO. G.U.S. 6-6-17.

- L. palustris*
  - Pl. leucostoma*
  - " *contorta*
  - Pis. nitidum* vera!
  - " *subtruncatum*
- } In marsh.

Hillsborough Park Lake, DO.  
Coll. by Kevin H. Foster, 3-7-17.

- L. pereger*.
- L. auricularia* 1 var. acuta.
- L. palustris*
- Pl. abtus.*
- B. tentaculata*
- V. pinnatifida*
- Pis. casertanum* Dead.
- " *milium*
- " *nitidum* vera.

Drumlogh Moss, near Hillsborough, DO.  
N. H. Foster July 1917.

- L. pereger*.
- Physa fontinalis*
- Pl. contorta*.
- Pis. milium*
- " *subtruncatum*

Hillsborough DO.  
N. H. Foster. 10-7-17.

McKee's Dam

*L. pereger*, *L. auricularia* - acuta  
*Pl. contorta*, *Pl. abtus*  
*Pis. nitidum* vera and *P. hibernicum*.



Moyne's Lough, 4 miles SE of  
Hillsborough, DO. N.H. Foster. 10-7-17.

*L. peregr.*

*Sph. cornu.*

*Pis. nitidum* vera.

*P. subtruncat.*

*P. hibernicum* In ~~lake~~ inlet to lake only.

*P. milium* In inlet only.

Lough Erne, 6 miles E to S of Hillsborough, DO.  
N.H. Foster. 10-7-17.

*L. peregr.*

*Physa fontinalis*

*Anagallis flaviventris*

*B. tentaculata*

*V. piscinalis*

*Sph. cornu.*

*Pis. nitidum* vera.

Also at a later date

*Pis. pulchellum*

Mouth of Carronnet River (opposite Lisburn) DO.  
N.H. Foster. 17-7-17.

*L. peregr.*

*Anagallis flaviventris* Dead.

*Physa fontinalis*

*Pl. albus*

*carinata*

*V. piscinalis*

*B. tentaculata*

*Sph. cornu.*

*P. amicum*

*P. nitidum* vera.

*P. subtruncat.*

Hillsborough, McKee's Dam, Donore and  
Begney Lough districts. A. J. S. & N. H. F. 1-8-17.

*L. peregr.*, Common. *L. auriculata*, McKee's Dam, *L. palustris* <sup>Begney L.</sup>

*Physa fontinalis*: Begney Lough. *Pl. albus*, Begney Lough.

*Pis. casertanum* Begney L.,

" *nitidum* vera. Begney L.; flax dam near same; McKee's Dam

" *milium* Begney L.; flax dam near Donore.

" *hibernicum* Flax dam near Donore.

" *subtruncat.* Begney Lough; McKee's Dam

" *pulchellum* Begney Lough near outlet.

17-22.  
17-23.  
17-24.



Portmoe Lough Co. Antrim.  
N. H. Foster. 25-8-17.

*L. peregr.*

*L. auricularia* var. *acuta*.

*Pl. carinatus*

" *glaber*.

A good number of dead shells. This  
is a verification of Thompson's old  
record.

*B. tentaculata*

*V. piscinalis*

*Sph. cornu*.

*Pis. casertanum*

" *nitidum* vera.

" *subtruncatum*

Almost all  
dead shells  
collected near  
'quays' the  
South side  
of lake.

17-26

Old Horse Hole near L. Aghery,  
Hillsborough, DO. N. H. Foster. 29-8-17.

*L. peregr.*

*L. palustris*

*Pl. albus*.

" *contortus*

*Pis. milium*

River Blackwater at Verner's Bridge,  
Co. Tyrone side. N. H. Foster. 10-9-17.

*Lim. stagnalis*

*Pl. carinatus*

*Physa fontinalis*

*B. tentaculata*

*Sph. cornu*.

*Pis. subtruncatum*

Mill-race, Rougban. TY. N. H. Foster. 10-9-17.

*L. auricularia*. Fine specimen of var. *acuta*.

*Physa fontinalis*.

*Pl. albus*.

" *contortus*.

*V. piscinalis*

" *crispata*.

*Pis. nitidum* vera

" *subtruncatum*.

Also dead shells of

*Hygromia rufescens*.

*Pyramidula rotundata*.

*Coch. lubrica*.

Rougban Lough, TY. N. H. Foster. 10-9-17.

*L. palustris*. *Physa fontinalis*.

*Pl. albus*, *Pl. contortus*, *Pl. fontanus*.

*V. piscinalis*. *Bith. tentaculata*. *Sph. cornu*

*Pis. casertanum*, *P. nitidum* (vera), *P. milium*

*P. subtruncatum*.



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